C0. Introduction

C0.1

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

Cummins Inc., a global power leader, is a corporation of complementary business segments that design, manufacture, distribute and service a broad portfolio of power solutions. The company’s products range from diesel, natural gas, electric and hybrid powertrains and powertrain-related components including filtration, aftertreatment, turbochargers, fuel systems, controls systems, air handling systems, automated transmissions, electric power generation systems, batteries, electrified power systems, hydrogen generation and fuel cell products. Headquartered in Columbus, Indiana (U.S.), since its founding in 1919, Cummins employs approximately 57,800 people committed to powering a more prosperous world through three global corporate responsibility priorities critical to healthy communities: education, environment and equality of opportunity. Cummins serves its customers online, through a network of company-owned and independent distributor locations, and through thousands of dealer locations worldwide and earned about $1.8 billion on sales of $19.8 billion in 2020.

C0.2

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

<table>
<thead>
<tr>
<th>Reporting year</th>
<th>Start date</th>
<th>End date</th>
<th>Indicate if you are providing emissions data for past reporting years</th>
<th>Select the number of past reporting years you will be providing emissions data for</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January 1</td>
<td>December</td>
<td>No</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td></td>
<td>2020</td>
<td>31 2020</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
(C0.3) Select the countries/areas for which you will be supplying data.

Angola
Argentina
Australia
Belgium
Bolivia (Plurinational State of)
Botswana
Brazil
Canada
China
Colombia
Costa Rica
Czechia
El Salvador
France
Germany
Ghana
Honduras
India
Ireland
Italy
Japan
Kazakhstan
Malaysia
Mexico
Mongolia
Morocco
Mozambique
Netherlands
New Zealand
Nigeria
Norway
Panama
Papua New Guinea
Philippines
Poland
Republic of Korea
Romania
Russian Federation
Saudi Arabia
Senegal
Serbia
Singapore
South Africa
Spain
Sweden
Turkey
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
United States of America
Zambia

(C0.4)

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

(C0.5)

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

Operational control

C-TO0.7/C-TS0.7

(C-TO0.7/C-TS0.7) For which transport modes will you be providing data?

Light Duty Vehicles (LDV)
Heavy Duty Vehicles (HDV)
Rail
Marine
C1. Governance

C1.1

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

Yes

C1.1a

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

<table>
<thead>
<tr>
<th>Position of individual(s)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board Chair</td>
<td>The roles of Board Chairman and Chief Executive Officer are held by the same person at Cummins, and he has direct responsibility for climate-related issues. This is because climate strategy and action are integrated into Cummins overall strategy and operations. The chief administrative officer, who is responsible for global integrated services and overall ESG oversight and the vice president of strategy report to the CEO. He views environmental sustainability - including product innovation and facilities and operations - as an important element of Cummins business strategy. He is very engaged in our sustainability work, and meets at least once a year for 4 hours give his thoughts on sustainability strategy and target progress in addition to regular board updates every other month.</td>
</tr>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>The roles of Board Chairman and Chief Executive Officer are held by the same person at Cummins, and he has direct responsibility for climate-related issues. This is because climate strategy and action are integrated into Cummins overall strategy and operations. The chief administrative officer, who is responsible for global integrated services and overall ESG oversight and the vice president of strategy report to the CEO. He views environmental sustainability - including product innovation and facilities and operations - as an important element of Cummins business strategy. He is very engaged in our sustainability work, and meets at least once a year for 4 hours give his thoughts on sustainability strategy and target progress in addition to regular board updates every other month.</td>
</tr>
<tr>
<td>Board-level committee</td>
<td>The Safety, Environment and Technology committee. This Committee is authorized to assist our Board in its oversight of safety policies, review environmental and technological strategies, compliance programs and major projects and review public policy developments, strategies and positions taken by us with respect to safety, environmental and technological matters that significantly impact us or our products. It met five times in 2020. Its seven members have a range of experience including automotive and transportation, manufacturing and supply chain, technology, corporate responsibility and government / regulatory affairs.</td>
</tr>
</tbody>
</table>

C1.1b

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

<table>
<thead>
<tr>
<th>Frequency with which climate-related issues are a scheduled agenda item</th>
<th>Governance mechanisms into which climate-related issues are integrated</th>
<th>Scope of board-level oversight</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled – all meetings</td>
<td>Reviewing and guiding strategy</td>
<td>&lt;Not Applicable&gt;</td>
<td>The CEO and President, both on the board, provide guidance on strategy and budget and review current climate goal progress. The board SET committee provides overall guidance and insight, and in particular did so for the new environmental sustainability plan announced in 2019. The Safety, Environment and Technology committee is authorized to assist our Board in its oversight of safety policies, review environmental and technological strategies, compliance programs and major projects and review public policy developments, strategies and positions taken by us with respect to safety, environmental and technological matters that significantly impact us or our products. It met five times in 2020. Its seven members have a range of experience including automotive and transportation, manufacturing and supply chain, technology, corporate responsibility and government / regulatory affairs. In 2019,</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name of the position(s) or committee(s)</th>
<th>Reporting line</th>
<th>Responsibility</th>
<th>Coverage of responsibility</th>
<th>Frequency of reporting to the board on climate-related issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>&lt;Not Applicable&gt;</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Other C-Suite Officer, please specify (Chief Executive Officer)</td>
<td>&lt;Not Applicable&gt;</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>More frequently than quarterly</td>
</tr>
<tr>
<td>Sustainability committee</td>
<td>&lt;Not Applicable&gt;</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>More frequently than quarterly</td>
</tr>
<tr>
<td>President</td>
<td>&lt;Not Applicable&gt;</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>More frequently than quarterly</td>
</tr>
<tr>
<td>Risk committee</td>
<td>&lt;Not Applicable&gt;</td>
<td>Assessing climate-related risks and opportunities</td>
<td>&lt;Not Applicable&gt;</td>
<td>More frequently than quarterly</td>
</tr>
</tbody>
</table>

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 (do not include the names of individuals).

The CEO (who serves on the board), President and Chief Administrative Officer board, have direct responsibility for all facets of climate-related issues in strategy, operations (manufacturing, facilities and supply chain), planning, budgets and technology and innovation. The staff of the President (the operating team) and the CEO's staff (executive team) meet monthly and the combined teams meet quarterly.

The Environmental Sustainability program office reports up to the the Chief Technical Officer. As such, he is responsible for reviewing sustainability plans and targets, particularly as they related to technology and innovation. The CTO is responsible for Cummins advancement in electrification, hydrogen, low carbon technology and fuel cell technology in addition to meeting all current and emerging regulations for criteria pollutants and greenhouse gas. The CTO also is the senior executive with oversight and overall responsibility for the environmental sustainability plan. This makes the CTO uniquely qualified to lead climate-related program for next generation products including strategy and planning for low carbon transitioning, scenario analysis and product-use greenhouse gas emissions goals. Progress is reported to the Board of Directors at each Board meeting including climate-related issues and progress.

The Action Committee for Environmental Sustainability (ACES), formed in 2012, integrates climate change actions into overall business strategy. The executive sponsor and the head of this group both report up through the Chief Technical Officer. The group is the voice and catalyst for environmental action beyond compliance in the company and provides tools and resources for employees go further and faster in reaching environmental goals. The group meets monthly and reports progress to the CTO through its executive sponsor weekly. ACES directs the development and implementation of the environmental sustainability plan and reports out on progress in meeting goals. The corporate ACES team has a global focus includes as its stakeholders nearly all businesses and all functions. The individual stakeholder and goal owner areas of ACES ensure that all aspects of the environment and relevant areas of the business are included and data is collected and reported that inform decision making and goal setting. A major outcome of the working group is that in June 2014, Cummins announced that after several years of study and analysis, it had adopted a comprehensive environmental sustainability plan and since announced 7 public goals. From 2017 to 2019, the team developed the next sustainability plan (announced in late 2019) that includes 2050 aspirations with 8 goals timed to 2030 along the glide path. Goals in the areas of addressing climate change and air emissions, natural resource efficiency and the circular economy and resilience in the communities in which we operate are included.

The Company has an Executive Risk Council comprised of the COO, CFO, CAO, General Counsel, and Vice President-Corporate Strategy that meets five times a year with our leader of enterprise risk management to review and update our material enterprise-related risks and their mitigation plans. Ownership of the most significant enterprise risks are assigned to a member of our leadership team. The committee reviews all the risks annually and does deep dives on risks which include climate on a regular basis.

A recent example of a climate-related decision made by the enterprise risk management team and the ACES team was to engage external climate change analytics expertise. Cummins may be able to use this analysis to aid in planning, enterprise and portfolio risk management, infrastructure resilience engineering, safety and operations, and shareholder and regulatory response. The company hopes to leverage a new climate analytics tool that offers portfolio-level physical risk assessment for any point on the Earth's surface.

C1.3

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

<table>
<thead>
<tr>
<th>Provide incentives for the management of climate-related issues</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

C1.3a
(C.1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

<table>
<thead>
<tr>
<th>Entitled to incentive</th>
<th>Type of incentive</th>
<th>Activity incentivized</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>Monetary reward</td>
<td>Energy reduction target</td>
<td>The seven 2020 plan public goals were part of the CEO's workplan, and he reports on the plan's progress to the Board of Directors as part of his performance review. One of those 7 goals is an energy reduction target, a 32% energy intensity reduction by 2020 from a base year of 2010. An absolute energy reduction target of 50% included in the new plan announced in 2019.</td>
</tr>
<tr>
<td>Environment/Sustainability manager</td>
<td>Monetary reward</td>
<td>Energy reduction target, Behavior change related indicator, Company performance against a climate-related sustainability index</td>
<td>A key measure in Cummins' Global Environmental Sustainability Plan is a commitment to transparency and accountability. Environmental goals are now incorporated into the Quarterly Scorecard for the Cummins Leadership Team's review. The scorecard shows progress toward the facilities and operations waste, water, energy, and greenhouse gas goals, products in use goal, and logistics goal. In each of these areas, the scorecard will show progress on the both enterprise-wide goals as well as the progress toward the goal apportioned by each business unit and some area business organizations (regional or country focused). Progress toward goal achievement is part of an employee's work plan for the year and can result in monetary award through merit increases and meeting the company's ROANA target, which results in a profit sharing bonus for all employees. For some in sustainability, company performance against a benchmark and/or reporting additional disclosures through various reports is also part of their annual compensation review. This also applies to participation in sustainability employee engagement programs.</td>
</tr>
<tr>
<td>Facilities manager</td>
<td>Monetary reward</td>
<td>Emissions reduction project target, Emissions reduction project, Energy reduction project target, Energy reduction project</td>
<td>A key measure in Cummins' Global Environmental Sustainability Plan is a commitment to transparency and accountability. Environmental goals are now incorporated into the Quarterly Scorecard for the Cummins Leadership Team's review. The scorecard shows progress toward the facilities and operations waste, water, energy, and greenhouse gas goals, products in use goal, and logistics goal. In each of these areas, the scorecard will show progress on the both enterprise-wide goals as well as the progress toward the goal apportioned by each business unit and some area business organizations (regional or country focused). Progress toward goal achievement is part of an employee's work plan for the year and can result in monetary award through merit increases and meeting the company's ROANA target, which results in a profit sharing bonus for all employees.</td>
</tr>
<tr>
<td>Energy manager</td>
<td>Monetary reward</td>
<td>Emissions reduction project target, Emissions reduction project, Energy reduction project target, Energy reduction project</td>
<td>A key measure in Cummins' Global Environmental Sustainability Plan is a commitment to transparency and accountability. Environmental goals are now incorporated into the Quarterly Scorecard for the Cummins Leadership Team's review. The scorecard shows progress toward the facilities and operations waste, water, energy, and greenhouse gas goals, products in use goal, and logistics goal. In each of these areas, the scorecard will show progress on the both enterprise-wide goals as well as the progress toward the goal apportioned by each business unit and some area business organizations (regional or country focused). Progress toward goal achievement is part of an employee's work plan for the year and can result in monetary award through merit increases and meeting the company's ROANA target, which results in a profit sharing bonus for all employees.</td>
</tr>
<tr>
<td>All employees</td>
<td>Non-monetary reward</td>
<td>Emissions reduction project target, Emissions reduction project, Energy reduction project target, Energy reduction project</td>
<td>Cummins has a global employee recognition framework called the Impact Awards. Employees who led a project, employees who were involved with a project, or employees who served as the project sponsor can self-nominate their work and can be judged and then recognized their work represents an outstanding effort that supports overall business goals. Beginning in 2017, there are now three different Impact Awards that employees can be recognized for: Business Impact; Global Impact; Chairman's Impact. Progress toward goal achievement is part of an employee's work plan for the year and can result in monetary award through merit increases and meeting the company's ROANA target, which results in a profit sharing bonus for all employees.</td>
</tr>
</tbody>
</table>

C2. Risks and opportunities

C2.1

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

C2.1a

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

<table>
<thead>
<tr>
<th>Time Horizon</th>
<th>From (years)</th>
<th>To (years)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short-term</td>
<td>1</td>
<td>3</td>
<td>For a large global company like Cummins, three years or sooner is a short time horizon, especially for product development. Acquisitions would be included in this timeframe.</td>
</tr>
<tr>
<td>Medium-term</td>
<td>3</td>
<td>10</td>
<td>Most of Cummins planning falls into this time horizon, as engine platforms or specific product launches are not short-term.</td>
</tr>
<tr>
<td>Long-term</td>
<td>10</td>
<td>30</td>
<td>Cummins PLANET2050 environmental sustainability plan would fall into this category. It contains science-based targets for both 2030 and 2050.</td>
</tr>
</tbody>
</table>
(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Cummins' definition of substantive financial or strategic impact when identifying or assessing climate-related risks does include criteria the company uses for financial risk, specifically a material (not only adverse, however) effect on our results of operations, financial position and cash flows. But when considering financial or strategic impact from climate change, the definition and indicators include not only impact to earnings or a cost to realize an opportunity or mitigate a risk (in this submission generally $100 million) but also dramatic changes in production process or the numeric goals the company committed to as part of its new sustainability strategy, PLANET 2050. The new targets for greenhouse gas (GHG) reduction in both products and facilities are included in our PLANET 2050 sustainability strategy. In some cases, such as the goal to reduce absolute GHG emissions from facilities and operations by 50%, actions over the next 10 years could involve substantive change both in manufacturing processes as well as investment strategy.

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

**Value chain stage(s) covered**
- Direct operations
- Upstream
- Downstream

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

**Frequency of assessment**
More than once a year

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

**Description of process**
During 2016-2017, Cummins performed global scenario planning work to understand how climate-related risks stand to impact the markets and customers we serve, and how these risks might impact our business. Cummins tracks developments in “priority areas” that were determined via a scenario planning process. One priority area that the business monitors is climate change policies. Within this priority area we monitor policy developments globally relating to national and sub-national climate goals and resulting legislation or regulations. Updates on this priority area are provided to an internal technical strategy team twice a year. The strategy team directs follow up to appropriate groups within the business and business leadership. These priority areas can be indicators of both risks and opportunities. Our Technology Planning function, under our Chief Technical Officer, leads this work, integrating input from our “sensing network” for technical developments, regulatory developments, or market/economic developments. Case study: how this process is applied to Physical risks and/or opportunities. Cummins has done much work on identifying physical climate-related water risk. Cummins conducted detailed watershed assessments to facilities scoring above the 150 ‘at risk’ threshold. Cummins Brasil Ltda, the largest site in Brazil, was added to the risk list due to specific water issues arising in the area. Potential for inadequate or unreliable water supplies in the short- and long-term horizons, which could lead to operational disruptions, increased water pricing, investment in contingency plans, and increased capital expenditures to manage growth within water use allocation limits. This site was recently elevated to high risk based upon facility expansion and recent drought conditions within Brazil. A watershed assessment was conducted to better understand and evaluate water sourcing risks, alternatives, and overall watershed conditions. In addition to continued water conservation measures and technologies, additional response measures may include deployment of additional water storage and low/no water use processes such as air cooled chiller systems where warranted, and upgrades to the wastewater treatment system to allow for 100% reuse. Cummins encourages community engagement projects each year focusing on employee volunteer hours and sustainable projects that will be owned by the community upon completion. Cummins has a grant process to fund these projects and allows sites to fund smaller ones within their budget. Historical data shows these are relatively low cost. Case study: how this process is applied to transitional risks. The scenario planning process was an integral part of Cummins strategy to pursue electrified products, hydrogen and other low-carbon future options identified as a transitional opportunity. The Action Committee for Environmental Sustainability did a hot spot environmental assessment in 2011 and the resulting data still informs our strategy and planning today. The assessment concluded that 99% of our GHG footprint comes from our products in their use phase. The group identified an opportunity to address these emissions by setting a science-based target to reduce lifetime emissions from newly sold products in their use phase by 2030. This has resulted, since late 2017, in the acquisition of two battery storage companies and an electrified powertrain company, the development of an electric heavy-duty truck, and the introduction of our first battery electric bus in 2019. Our hydrogen activities include the acquisition of Hydrogenics Corporation in September 2019, providing Cummins with both proton exchange membrane (PEM), alkaline fuel cells, and electrolyzers used to generate hydrogen. Cummins has also invested in LOOP Energy, signed a memo of understanding with Hyundai Motor Company, entered an agreement to form a joint venture with NPROXX, and invested in the development of solid oxide fuel cells.
### C2.3a Which risk types are considered in your organization's climate-related risk assessments?

<table>
<thead>
<tr>
<th>Risk type &amp; Primary climate-related risk driver</th>
<th>Identifier</th>
<th>Management method/risk assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transitioning to lower emissions technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cummins Technical &amp; Environmental Strategic Planning (TESP) working in tandem with product strategy, the growth office, marketing management and government relations, monitor the likelihood of emerging climate-related regulations in the countries where we sell products.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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 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? **Downstream**

#### Risk type & Primary climate-related risk driver

**Technology**

#### Primary potential financial impact

Decreased revenues due to reduced demand for products and services
Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Cummins risk related to technology substitution is the end result of a number of drivers, among them emerging regulation, shift in consumer preference, increasingly lower cost of ownership and the customers' own sustainability goals. We are investing in new products and technologies, including electrified powertrains and hydrogen solutions, for planned introduction into certain existing and new markets. Given the early stages of development of some of these new products and technologies, there can be no guarantee of the future market acceptance and investment returns with respect to these planned products. The increased adoption of electrified powertrains in some market segments could result in lower demand for current diesel or natural gas engines and components and, over time, reduce the demand for related parts and service revenues from diesel or natural gas powertrains.

Time horizon
Medium-term

Likelihood
About as likely as not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
10000000

Potential financial impact figure – maximum (currency)
60000000

Explanation of financial impact figure
2020 revenue from our Engine business was $8 billion. Over the long term, the increased adoption of electrified powertrains or hydrogen solutions in some market segments could result in lower demand for current diesel or natural gas engines and components and, over time, reduce the demand for related parts and service revenues from diesel or natural gas powertrains. This financial impact represents up to a 1 percent loss of current (not projected) revenue over the next 3 to 10 years (medium term).

Cost of response to risk
100000000

Description of response and explanation of cost calculation
Cummins Technical and Environmental Systems team is focused on Cummins growth areas beyond our core technical work, examining disruptive and future technologies and enabling us to effectively monitor signposts from our scenario planning work and technology sensing network. Future technology research is carried out in our Research and Technology group. Roughly 10 percent or $100 million of Cummins research and development budget is devoted specifically to technology innovation that does not yet have a specific customer identified. Roughly 85 percent (or $850 million) of our total R&D budget is research and development for products launches that already have an end customer. Case study/example: A recent example of being pro-active in introducing a lower-carbon solution is our May 2019 announcement of the GILLIG zero-emission battery electric bus, powered by Cummins. The zero-emission battery electric bus incorporates the Cummins electrified powertrain. The first Cummins-powered fully electric school bus made its debut in Indiana in August 2020. The bus, which was built by manufacturer Blue Bird and powered by the Cummins PowerDrive system, will reduce emissions and create a safe environment for students and the local community.

Comment
The cost of management reflects the spending on research and technology.

Identifier
Risk 2

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

Risk type & Primary climate-related risk driver

<table>
<thead>
<tr>
<th>Chronic physical</th>
<th>Changes in precipitation patterns and extreme variability in weather patterns</th>
</tr>
</thead>
</table>

Primary potential financial impact
Decreased revenues due to reduced production capacity

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

Company-specific description
Potential for inadequate or unreliable water supplies in the long-term horizons, which could lead to operational disruptions, increased water pricing, investment in contingency plans, and increased capital expenditures to manage growth within water use allocation limits. The regions we have identified are China (Hai Ho river basin); India (Krishna river basin); Mexico (Panuco river basin) and Brazil (Parabia Do Sul river basin).

Time horizon
Long-term

Likelihood
More likely than not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
Potential financial impact figure – minimum (currency)
5000000

Potential financial impact figure – maximum (currency)
20000000

Explanation of financial impact figure
Cummins conducted detailed watershed assessments to facilities identified as at risk. Overall, 43 percent of Cummins water use is in water stressed areas. Financial implications would be periods of plant inactivity or closure, loss of production and possible customer deadline ramifications. The maximum $20 million figure would represent the maximum amount of lost revenue due to a high estimate of 5-7 days of plant shutdown due to lack of water for operations.

Cost of response to risk
500000

Description of response and explanation of cost calculation
To manage this risk, Cummins established and exceeded a 2020 50 percent water intensity reduction goal with a baseline year of 2014 and committed to a goal of 15 water neutral sites in water-stressed regions of operations (we achieve 16 sites). In addition, we have set a new 30 percent absolute reduction target to be achieved by 2030. We report the progress towards Management method varies by site, but can include continued water conservation measures in existing operations, increase in water storage capacity, and deployment of low/no water use processes such as air cooled chiller systems where warranted based upon facility water dependency. These systems increased capital expenditure and increased operating costs related to higher energy use, but off-set the potential risks associated with interruption of operations. However, Cummins is also using technologies such as regenerative dynos to manage the costs associated with the energy impact. Case study/example: The Cummins' engine plant at Rocky Mount, North Carolina (U.S.), RMEP has a new system brought online in 2020 employing multiple technologies including hydroponics – using plants as a filter – to treat millions of gallons of water annually so it can be returned to the facility for non-potable use. A similar system – minus the greenhouse – is conserving millions of gallons annually at Cummins’ Jamestown Engine Plant in western New York (U.S.). Both plants expect to cut city water use by about a third – collectively saving more than 25 million gallons annually.

Comment

Identifier
Risk 3

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

Risk type & Primary climate-related risk driver
Emerging regulation
Mandates on and regulation of existing products and services

Primary potential financial impact
Decreased revenues due to reduced demand for products and services

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

Company-specific description
The need to development new technology to meet emissions regulations could result in substantial additional costs that may be difficult to recover in certain markets. In some cases, we are required to develop new products to comply with new regulations, particularly those relating to air emissions. While we have met previous deadlines, our ability to comply with other existing and future regulatory standards will be essential for us to maintain our competitive advantage in the engine markets we serve. The successful development and introduction of new and enhanced products in order to comply with new regulatory requirements are subject to other risks, such as delays in product development, cost over-runs and unanticipated technical and manufacturing difficulties.

Time horizon
Medium-term

Likelihood
About as likely as not

Magnitude of impact
Medium-low

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
2000000

Potential financial impact figure – maximum (currency)
10000000

Explanation of financial impact figure
2020 revenue from our Engine business was $8 billion. Over the long term, the increased adoption of electrified powertrains or hydrogen solutions in some market segments could result in lower demand for current diesel or natural gas engines and components and, over time, reduce the demand for related parts and service revenues from diesel or natural gas powertrains. This financial impact represents up to a 1 percent loss of current (not projected) revenue over the next 3 to 10 years (medium term).

Cost of response to risk
10000000

Description of response and explanation of cost calculation
Over the past several years we have substantially increased our global environmental compliance presence and expertise to understand and meet emerging product environmental regulations around the world. Our ability to comply with these and future emission standards is an essential element in maintaining our leadership position in regulated markets. We have made, and will continue to make, significant capital and research expenditures to comply with these standards. The $10 million figure relates to a portion of our typical research and technology budget that we need to be devoted to developing new compliant technology. Case study/example: Cummins in 2019
created the Product Compliance and Regulatory Affairs organization to focus on strengthening the company's collaboration with the environmental agencies that set
emissions regulations and certification processes. Cummins is working to ensure continued compliance with increasingly-challenging global emissions regulations. The
new organization will function independently from, and provide oversight to, the product development teams and business functions, reporting directly into the Chief
Executive Officer.

Comment

C2.4

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

Yes

C2.4a

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

Identifier
Opp1

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

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

Company-specific description
Cummins has been very public with its intent on introducing electrified products and its expansion into hydrogen. With battery capacity improving and prices dropping,
electrified powertrains are becoming more affordable and practical for certain types of commercial vehicles, particularly urban bus fleets and pickup and delivery trucks. We
see electric as a great option for return to base, short-run commercial vehicle routes that do not require large torque. As more parts of the world generate cleaner electricity,
we expect electrified powertrains and hydrogen solutions to become an increasingly-viable option for other types of customers, too. We will provide the entire electrified
powertrain solution, as well as some of the most critical components that have the largest impact on performance, quality, and power of the system to deliver the most value
to our customers.

Time horizon
Medium-term

Likelihood
More likely than not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
10000000

Potential financial impact figure – maximum (currency)
60000000

Explanation of financial impact figure
2020 revenue from our Engine business was $8 billion. Over the long term, the increased adoption of electrified powertrains or hydrogen solutions in some market
segments could result in additional revenue beyond any reduced demand for demand for current diesel or natural gas engines and components and, over time, reduce the
demand for related parts and service revenues from diesel or natural gas powertrains. This financial impact represents up to a 3 percent gain of current (not projected)
revenue over the next 3 to 10 years (medium term).

Cost to realize opportunity
100000000

Strategy to realize opportunity and explanation of cost calculation
As part of the company’s journey to accelerate its capabilities and offerings of alternative power, in November 2019 Cummins renamed its Electrified Power segment to New
Power to better represent our expanded and robust portfolio. The New Power segment designs, manufactures, sells and supports electrified power systems ranging from
fully electric to hybrid along with innovative components and subsystems, including battery, fuel cell and hydrogen production technologies. We anticipate our customer
base for New Power offerings will be highly diversified, representing multiple end markets with a broad range of application requirements. The $1 billion investment is two
$500 million investments over two three-year time periods (2018 to 2020 and 2020 to 2022). Case study/examples: With the unveiling of the Concept Class 7 Urban Hauler
EV in 2017, Cummins introduced a state-of-the art battery pack offering, redefining energy-efficiency and density capabilities for the electric vehicle market. We currently
offer the Cummins PowerDrive series of fully electric and hybrid powertrain systems targeting various applications in the Class 4-8 commercial vehicle markets and are
developing the Cummins Battery Electric System and the Cummins Hybrid Power Plug-In System for the urban bus market. In May 2019 we introduced the GILLIG zero-
emission battery electric bus, powered by Cummins' electrified powertrain. The first Cummins-powered fully electric school bus made its debut in Indiana in August 2020.
The bus, which was built by manufacturer Blue Bird and powered by the Cummins PowerDrive system, will reduce emissions and create a safe environment for students and
the local community. In July 2021, Cummins took several steps forward in advancing zero carbon hydrogen technology. The company began testing a hydrogen-fueled
internal combustion engine. It also announced a memorandum of understanding with Air Products (NYSE:APD), a world leader in the supply and transport of hydrogen, to
work together to accelerate the integration of hydrogen fuel cell trucks in the Americas, Europe and Asia. Cummins will provide hydrogen fuel cell electric powertrains integrated into selected OEM partners’ heavy-duty trucks for Air Products, as Air Products begins the process of converting its global fleet of distribution vehicles to hydrogen fuel cell vehicles.

**Comment**
The $1 billion investment is two $500 million investments over two three-year time periods (2018 to 2020 and 2020 to 2022).

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Opp2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Where in the value chain does the opportunity occur?</strong></td>
<td>Direct operations</td>
</tr>
<tr>
<td><strong>Opportunity type</strong></td>
<td>Resource efficiency</td>
</tr>
<tr>
<td><strong>Primary climate-related opportunity driver</strong></td>
<td>Use of more efficient production and distribution processes</td>
</tr>
<tr>
<td><strong>Primary potential financial impact</strong></td>
<td>Reduced direct costs</td>
</tr>
<tr>
<td><strong>Company-specific description</strong></td>
<td>Cummins has a climate-related opportunity in responsible material consumption. Seventy percent of a product’s environmental footprint, meaning water and energy use plus in use emissions, is determined during the earliest phases of the design process. The earlier the company can incorporate innovative design for the efficient use of fuel and raw materials, the greater its ability to reduce the environmental footprint (energy, water and waste) of Cummins products both in their design and use. This opportunity includes Cummins functions / businesses of remanufacturing, packaging, advanced manufacturing, material science and product design.</td>
</tr>
<tr>
<td><strong>Time horizon</strong></td>
<td>Medium-term</td>
</tr>
<tr>
<td><strong>Likelihood</strong></td>
<td>More likely than not</td>
</tr>
<tr>
<td><strong>Magnitude of impact</strong></td>
<td>Medium</td>
</tr>
<tr>
<td><strong>Are you able to provide a potential financial impact figure?</strong></td>
<td>Yes, an estimated range</td>
</tr>
<tr>
<td><strong>Potential financial impact figure (currency)</strong></td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td><strong>Potential financial impact figure – minimum (currency)</strong></td>
<td>20000000</td>
</tr>
<tr>
<td><strong>Potential financial impact figure – maximum (currency)</strong></td>
<td>30000000</td>
</tr>
<tr>
<td><strong>Explanation of financial impact figure</strong></td>
<td>The financial impact is an estimate of long-term savings on raw material required to manufacture our products plus savings from packaging initiatives. Cummins estimates 95 percent of the materials used to produce the organization’s primary products are non-renewable (primarily metals, but also oil and plastic). Cummins estimates it uses 900,000 metric tons of metal for one year’s production. Estimated savings is based on a 2 to 3 percent reduction in weight as related to our annual spend on direct material.</td>
</tr>
<tr>
<td><strong>Cost to realize opportunity</strong></td>
<td>800000</td>
</tr>
<tr>
<td><strong>Strategy to realize opportunity and explanation of cost calculation</strong></td>
<td>A dedicated Cummins team for material efficiency was formed in 2018 and is working now on ways to make the company’s products more eco-efficient in the future. Many of the concepts of the “circular economy” and its emphasis on reuse and recycling are not new, but this team is connecting with the various functions in charge of materials work at Cummins to elevate their importance. The goal is to use the right amount of material in everything the company makes to avoid unnecessary use of water and energy throughout a product’s lifecycle. That means using material optimization tools to ensure structural integrity with minimized material and specifying that raw material is finished as close as possible to the ending net shape of the component. Packaging leaders at Cummins are working to better understand what metrics and actions will drive consistent and environmentally sound packaging decisions. Their goals for sustainable packaging solutions are to reduce packaging waste and increase reusable solutions as well as the use of recyclable material. Case study/example: Cummins, applying its Design for Lifecycle principles to an ISF2.8 exhaust manifold system, was able to see many benefits in resource efficiency. The casting design was improved through use of variable geometry fillets, boss geometry tailoring, improved structure rib strategy, and using varying runner wall thicknesses. Machining stress concentrations were eliminated – making the parts easier to manufacture and lower stress. Cummins was able to save the use of over 126,000 kg of high grade iron over just 1 year’s production and approximately $250,000 in costs annually.</td>
</tr>
<tr>
<td><strong>Comment</strong></td>
<td>The cost to realize is primarily related to additional employees required who have expertise in specialized design optimization systems and software as well as costs for the material optimization software and design for lifecycle tools.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Opp3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Where in the value chain does the opportunity occur?</strong></td>
<td>Direct operations</td>
</tr>
<tr>
<td><strong>Opportunity type</strong></td>
<td>Resilience</td>
</tr>
<tr>
<td><strong>Primary climate-related opportunity driver</strong></td>
<td>Participation in renewable energy programs and adoption of energy-efficiency measures</td>
</tr>
<tr>
<td><strong>Primary potential financial impact</strong></td>
<td>Reduced indirect (operating) costs</td>
</tr>
</tbody>
</table>
Company-specific description
Cummins is committed to energy efficiency and renewable energy both for cost savings and resiliency. We are currently working on our fourth energy efficiency / GHG reduction goal since 2006. We have completed more than one thousand energy projects in the last 12 years, now saving the company about $62 million per year. We exceeded our commitment have 40 sites certified to ISO 50001 energy standard by 2020 (we certified 44). We concluded our two public 2020 goals: 1) energy intensity reduction of 32 percent by 2020 from a baseline of 2010 (we hit 27% with the shortfall in and 2) to increase renewable energy opportunities (we now have 45 solar installations globally.) Through our PLANET 2050 strategy, we have a 2030 goal to reduce absolute greenhouse gas (GHG) emissions from facilities and operations by 50%.

Time horizon
Medium-term

Likelihood
Very certain

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, a single figure estimate

Potential financial impact figure (currency)
3000000

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

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

Explanation of financial impact figure
We have estimated that our annual cost savings from energy efficiency projects (cumulative since 2006) is $62 million per year.

Cost to realize opportunity
5000000

Strategy to realize opportunity and explanation of cost calculation
Cummins employees in its Facilities and Operations Environmental Management group set strategy, objectives and targets, which are carried out through the business units, at site level and through Global Integrated Services. The company’s Enterprise Environmental Management System (EMS), created in 2003, plays a critical role in Cummins’ global environmental footprint reductions and other improvements. The company adopted a model that includes a common framework to ensure a similar look, feel and fundamental approach throughout the organization. The system has served as the framework for driving continual improvement and efforts beyond compliance at Cummins operations around the world. Our employee engagement program Environmental Champions includes energy as well as water and waste training. In 2020, the Company completed its 7th June Environmental Month, with more than one-third of our employees participating in some way in a site, community or personal action. Case study/example: The LED lighting campaign was launched in 2018 when a need to focus on lighting upgrades was identified. Lighting surveys were conducted globally to understand the current make up of our lighting footprint. We found many sites had converted to LED in manufacturing areas but not the entire site or office areas. As part of the campaign approach we conducted regional requests for proposals and selected partners regionally to purchase and install LED lighting. In 2019 we completed over 140 projects converting facilities lighting to LED resulting in a reduction of more than 268,000 MMBTU energy saved annually. These projects covered all areas of the interior and exterior lighting as well as lighting controls. Since 2019, Cummins went from approximately 30% LED coverage to over 85% coverage globally. In 2017, Cummins announced that it had entered into a Virtual Power Purchase Agreement (VPPA) to expand a wind farm in Northern Indiana, which went online in December 2018. The expansion will add 75 megawatts, enough to power approximately 20,000 average Indiana homes, to the existing 600 megawatt capacity at the Meadow Lake Wind Farm complex. In 2020, the Meadow Lake VI wind farm in northwest Indiana (U.S.) generated enough renewable energy to offset 16.3% of Cummins global facilities’ carbon footprint.

Comment
The $5 million was the spend in 2020 to achieve our 2020 energy efficiency goal, which includes onsite renewable energy. By comparison, Cummins spent $33 million in 2019 on energy efficiency efforts. The VPPA is a contract for differences, so financial gain or loss is determined each month. Cummins has not disclosed the details of the contract.

Identifier
Opp4

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

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

Company-specific description
In the race to develop more sustainable and renewable energy sources, hydrogen has re-emerged as a potential key solution in the transition to zero-emission mobility. Cummins is rapidly growing its hydrogen capabilities and the company continues to deepen its expertise in fuel cell technologies. Cummins uses fuel cell and hydrogen technologies to power a variety of applications, including transit buses, semi-trucks, delivery trucks and passenger trains. Scaling up existing hydrogen technologies will deliver competitive low-carbon solutions across a wide range of applications by 2030 and may even offer competitive low-carbon alternatives to conventional fuels in some segments.

Time horizon
Medium-term

Likelihood
More likely than not

Magnitude of impact
Medium
Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
72000000

Potential financial impact figure – maximum (currency)
165000000

Explanation of financial impact figure
2020 revenue from our Engine business was $8 billion. Over the long term, the increased adoption of electrified powertrains or hydrogen-fueled products in some market segments could result in additional revenue beyond any reduced demand for current diesel or natural gas engines and components and, over time, the demand for related parts and service revenues from diesel or natural gas powertrains. This financial impact represents up to a 2 percent gain of current (not projected) revenue over the next 3 to 10 years (medium term). The minimum figure represents the $72 million the New Power operating segment earned in 2020.

Cost to realize opportunity
1300000000

Strategy to realize opportunity and explanation of cost calculation
In November 2019 Cummins renamed its Electrified Power segment to New Power to better represent our expanded and robust portfolio. The New Power segment designs, manufactures, sells and supports electrified power systems ranging from fully electric to hybrid along with innovative components and subsystems, including battery, fuel cell and hydrogen production technologies. We anticipate our customer base for New Power offerings will be highly diversified, representing multiple end markets with a broad range of application requirements. The $1 billion investment is two $500 million investments over two three-year time periods (2018 to 2020 and 2020 to 2022) plus $290 million for the acquisition of Hydrogenics. Cummins has made several announcements in the past year related to fuel cell technologies. These include the acquisition of Hydrogenics Corporation in September 2019, providing Cummins with both proton exchange membrane (PEM), alkaline fuel cells, and electrolyzers used to generate hydrogen. Cummins has also invested in LOOP Energy, signed a memo of understanding with Hyundai Motor Company, entered an agreement to form a joint venture with NPROXX, and invested in the development of solid oxide fuel cells. Case study/example: In July 2021, Cummins announced it had begun testing a hydrogen-fueled internal combustion engine. Cummins has partnered with Alstom Transport in Europe for PEM fuel cell powered regional commuter trains. The successful trial operation of the world's first two hydrogen trains was officially completed at the end of February 2020. Coradia iLint is the first passenger train in the world to be powered by a hydrogen fuel cell, which generates electrical energy for propulsion. The train features several different innovations: clean energy conversion, flexible energy storage in batteries and intelligent management of motive power and available energy. Cummins has partnered with L'Air Liquide S.A. for on-site hydrogen generation. build and install a 20 megawatt electrolyzer system for a hydrogen production facility located in Canada. The facility is expected to be in commercial operation by the end of 2020, with an output of just under 3,000 tons of hydrogen annually. The 20MW plant will use Hydrogenics’ advanced large-scale PEM electrolysis technology, offering the smallest footprint and highest power density in the industry.

Comment

C3. Business Strategy

C3.1

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

(C3.1a) Is your organization’s low-carbon transition plan a scheduled resolution item at Annual General Meetings (AGMs)?

<table>
<thead>
<tr>
<th>Is your low-carbon transition plan a scheduled resolution item at AGMs?</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Cummins Chairman and CEO has presented on PLANET 2050 at the annual general meeting in both 2020 and 2021.</td>
</tr>
</tbody>
</table>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?
Yes, qualitative and quantitative

C3.2a
C3.3

(C3.2a) Provide details of your organization’s use of climate-related scenario analysis.

<table>
<thead>
<tr>
<th>Climate-related scenarios and modules applied</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, please specify (Paris climate agreement/science-based targets)</td>
<td>Cummins uses a method known as scenario planning to contemplate different potential future outcomes in order to make more informed decisions. The company’s objective is to ensure Cummins considers all the major scenarios that would impact the business on an ongoing basis beyond a short-term planning window. Scenarios were developed out to 2035 as a reasonable outlook and timeframe. To do this, Cummins first identified the driving forces behind major changes in the world and the critical uncertainties within each. Based on the themes of those critical uncertainties, plausible scenarios were developed to weave a narrative of potential futures. The three themes that Cummins considered in its scenarios were climate change and carbon regulations, evolution of advanced technologies, and economic de-globalization. Potential outcomes and implications to Cummins’ business were then analyzed to understand when and how the most extreme disruptions might occur over time. As part of Cummins’ own scenario planning process, the company benchmarked Shell as an example of how to use scenario planning to inform investment decisions and future business conditions. Cummins uses Shell scenarios to understand various methods of conducting scenario planning analysis and how to treat various inputs. Cummins does not use the Shell scenarios as a prediction, rather, the Shell scenarios are one reference point for Cummins as a peer company that uses scenario planning. One scenario that Cummins uses through this planning exercise is a climate-related scenario in which countries around the world take aggressive and globally orchestrated steps to decarbonize their economies. Cummins used a climate-related scenario to understand the extreme limits and major drivers of action within this scenario out to 2035; anything less extreme would be compared to a baseline assumption of how this scenario might play out. Scenario-planning helped accelerate Cummins’ voluntary sustainability actions. The company developed and had validated two science-based targets for new products and facilities that meet the threshold to limit global warming to 1.5 degrees Celsius or lower. To keep that analysis relevant, Cummins must continually monitor and respond accordingly to changes against key indicators. The company does not view scenario planning as a one-time activity. Rather, it must be used as a tool on an ongoing basis to account for real-world changes that occur to inform the potential futures that are yet to come. Cummins used a broad network of external experts and information sources to monitor signposts. Twice a year, signpost owners are required to synthesize their findings and report on any major developments within their priority area. If a trend needs further investigation, a team is assigned to conduct an extensive analysis on that topic to understand it better. In line with these annual synthesis reports, top executives review the findings twice a year and determine a plan of action if that is required. Cummins’ senior-most leaders are actively involved in the review and decision-making for the company’s use of scenario planning. This ensures that alignment regarding developments on external trends, including climate change-related trends, are fully considered into short and long-term business planning. By using scenario planning and the company's existing strategies to address climate change and related impacts, Cummins is prepared to more readily adapt its business and investment strategy.</td>
</tr>
</tbody>
</table>

Nationally determined contributions (NDCs) | Cummins supports the framework of the Paris Agreement and believes that it gives the world a flexible framework to manage climate change while providing a smooth transition for business. American companies, suppliers, customers, and communities will benefit from U.S. participation in the Paris Agreement in several ways: it strengthens competitiveness in global markets, it expands global and domestic markets for clean, energy-efficient technologies which will generate jobs and economic growth, it encourages market-based solutions and innovation to achieve emissions reductions at low cost. Cummins uses Nationally Determined Contributions (NDCs) submitted by each signatory nation through the framework of the Paris Agreement as one input into the Cummins Scenario Planning process. NDCs are a valuable indicator for how ambitious a nation may be in its commitment to mitigate GHG emissions. For this reason, Cummins uses the NDCs and other projections to inform its scenario planning. Because NDCs must undergo an emissions stock-taking and ratchet up their pledges on five-year cycles, they provide a regular and predictable view for Cummins to understand how a given nation is progressing against its goals, and thus how Cummins may need to shift its own efforts to align to those targets. Cummins has a process in place and internal subject matter experts identified who are responsible for monitoring climate change policy development globally, including the tracking of NDCs. While the initial submission of NDCs in 2015 still present an “ambition gap” that will not achieve the stated mitigation goal of a 2 degree C warming scenario, Cummins uses NDCs as a baseline of what nations are likely to achieve. |

C3.4

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

<table>
<thead>
<tr>
<th>Have climate-related risks and opportunities influenced your strategy in this area?</th>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products and services</td>
<td>A response to climate change was a major driver in the development of the company's new sustainability strategy PLANET 2050, where Cummins sees both risk mitigation and new product opportunity. One of the three key priorities of the plan is “doing our part to address climate change and air emissions.” Cummins developed a science-based target in 2019 in conjunction with the Science-based Target Initiative, pledging by 2030 to reduce scope 3 absolute lifetime GHG emissions from newly sold products by 25 percent. By 2050, the company aspires to power customer success by carbon neutral technologies that address air quality. Cummins is committed to investing in an energy diverse future where customers have a broad portfolio of power options, including new technology diesel, natural gas, electrified power, fuel cell technology and alternative fuels – so they can choose what works best for them. Cummins in 2020 for the second time invested more than $1 billion in research, technology and engineering expenses as the company enhanced its diesel and natural gas products and brought to market new low-carbon technologies such as hydrogen fuel cells.</td>
</tr>
<tr>
<td>Supply chain and/or value chain</td>
<td>A response to climate change was a major driver in the development of the company’s new sustainability strategy PLANET 2050, where Cummins sees an opportunity to help customers as part of the value chain achieve their own sustainability goals and reduce costs and GHG emissions. One of the three key priorities of the plan is “doing our part to address climate change and air emissions.” In this plan, the company will dramatically expand its partnership with customers to reduce scope 3 GHG emissions from products in the field by 55 million metric tons (cumulative since 2014) by 2030.</td>
</tr>
<tr>
<td>Investment in R&amp;D</td>
<td>Cummins developed a science-based target in 2019 in conjunction with the Science-based Target Initiative, pledging by 2030 to reduce scope 3 absolute lifetime GHG emissions from newly sold products by 25 percent. By 2050, the company aspires to power customer success by carbon neutral technologies that address air quality. Cummins is committed to investing in an energy diverse future where customers have a broad portfolio of power options, including new technology diesel, natural gas, electrified power, fuel cell technology and alternative fuels – so they can choose what works best for them. Cummins in 2020 for the second time invested more than $1 billion in research, technology and engineering expenses as the company enhanced its diesel and natural gas products and brought to market new low-carbon technologies such as hydrogen fuel cells.</td>
</tr>
<tr>
<td>Operations</td>
<td>Cummins started its facility energy efficiency journey in 2006; now PLANET 2050 includes Cummins 4th energy / GHG reduction target – to reduce absolute greenhouse gas (GHG) emissions from facilities and operations by 50% by 2030. To achieve this goal, Cummins will continue to explore ways to increase renewable energy to reduce the impacts of climate change. One of the company’s most ambitious decisions was to enter into a Virtual Power Purchase Agreement (VPPA) to expand a wind farm in Northern Indiana, which went online in December 2018. The expansion will add 75 megawatts, enough to power approximately 20,000 average Indiana homes, to the existing 60 megawatt capacity at the Meadow Lake Wind Farm complex. Since it went online in mid-December 2018 to end of 2019, the Meadow Lake VI wind farm in northwest Indiana (U.S.) generated enough renewable energy to offset 16.3% of Cummins global facilities’ carbon footprint.</td>
</tr>
</tbody>
</table>
Describe where and how climate-related risks and opportunities have influenced your financial planning.

<table>
<thead>
<tr>
<th>Financial planning elements</th>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital expenditures</td>
<td>Responding to climate change Cammins has made several announcements in the past year related to fuel cell technologies. These include the acquisition of Hydrogenics Corporation in September 2019, providing Cammins with both proton exchange membrane (PEM), alkaline fuel cells, and electrolyzers used to generate hydrogen. Cammins has also invested in LOOP Energy, signed a memo of understanding with Hyundai Motor Company, entered an agreement to form a joint venture with NPROXX, and invested in the development of solid oxide fuel cells. In 2019, Cammins spent $34 million for energy efficiency, an increase over spending in 2018. Because of the COVID-19 pandemic, capital projects and spending had to be drastically curtailed in 2020.</td>
</tr>
<tr>
<td>Acquisitions and divestments</td>
<td></td>
</tr>
</tbody>
</table>

C3.4a

Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

Environmental sustainability leadership for the next several decades requires a focused approach, starting with the choice of material to how products are designed, made, used — and disposed. Sustainability actions can be thought of as value creation (increase innovation, improve competitiveness, and strengthen culture), as well as value protection (reduce regulatory uncertainty and strengthen risk mitigation). That is why Cammins has created its PLANET 2050 environmental sustainability strategy. The strategy sets big targets for 2050 and specific goals for 2030. It will help employees see the roles they and Cammins play in our company’s and planet’s sustainable future. There are three primary focus areas for the strategy:

1. Reducing greenhouse gas (GHG) emissions in line with climate experts’ recommendations.
2. Doing our part to use natural resources in the most sustainable way possible.
3. Our communities are better because we are there.

Cammins firmly believes the companies that are successful in the future will deliver more value to customers with less of an environmental impact. Cammins intends on being one of those companies.

C4. Targets and performance

C4.1

Did you have an emissions target that was active in the reporting year?
Both absolute and intensity targets

C4.1a

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

Target reference number
Abs 1

Year target was set
2015

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 3: Use of sold products

Base year
2014

Covered emissions in base year (metric tons CO2e)
914000000

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
99.24

Target year
2020

Targeted reduction from base year (%)
1.6

Covered emissions in target year (metric tons CO2e) [auto-calculated]
Covered emissions in reporting year (metric tons CO2e)
751000000

% of target achieved [auto-calculated]
1114.60612691466

Target status in reporting year
Achieved

Is this a science-based target?
No, but we are reporting another target that is science-based

Target ambition
<Not Applicable>

Please explain (including target coverage)
Global fuel economy teams have been building functional capability via fuel economy forums, training and tools and continue to implement new products-in-use projects. The teams have completed more than 650 total projects since 2014, with more than half completed in the past two years. The result is that Cummins surpassed its goal of a 3.5 million metric ton run rate per year in 2018 and achieved a 4.9 million metric ton run rate in 2020.

Target reference number
Abs 2

Year target was set
2019

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 3: Use of sold products

Base year
2018

Covered emissions in base year (metric tons CO2e)
925000000

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
99.24

Target year
2030

Targeted reduction from base year (%)
25

Covered emissions in target year (metric tons CO2e) [auto-calculated]
693750000

Covered emissions in reporting year (metric tons CO2e)
751000000

% of target achieved [auto-calculated]
75.2432432432432

Target status in reporting year
Underway

Is this a science-based target?
Yes, and this target has been approved by the Science-Based Targets initiative

Target ambition
1.5°C aligned

Please explain (including target coverage)
Cummins committed to reduce absolute scope 3 GHG emissions from the use of sold products 25% by 2030 from a 2018 base year. On June 21, 2019, the SBTi's Target Validation Team approved the target.

Target reference number
Abs 3

Year target was set
2019

Target coverage
Company-wide

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

Base year
2018

Covered emissions in base year (metric tons CO2e)
878842

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
Target year
2030

Targeted reduction from base year (%)
50

Covered emissions in target year (metric tons CO2e) [auto-calculated]
439421

Covered emissions in reporting year (metric tons CO2e)
594529

% of target achieved [auto-calculated]
64.7017325070946

Target status in reporting year
Underway

Is this a science-based target?
Yes, and this target has been approved by the Science-Based Targets initiative

Target ambition
1.5°C aligned

Please explain (including target coverage)
Cummins, Inc committed to reduce absolute scope 1 and 2 GHG emissions 50% by 2030 from a 2018 base year. On June 21, 2019, the SBTi's Target Validation Team classified the scope 1 and 2 target ambition and determined that it is in line with a 1.5°C trajectory, and approved the target.
(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

<table>
<thead>
<tr>
<th>Target reference number</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Int 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year target was set</th>
<th>2016</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Target coverage</th>
<th>Company-wide</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Scope(s) (or Scope 3 category)</th>
<th>Scope 1+2 (market-based)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intensity metric</th>
<th>Metric tons CO2e per unit hour worked</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Base year</th>
<th>2010</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intensity figure in base year (metric tons CO2e per unit of activity)</th>
<th>0.0071</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure</th>
<th>95.5</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Target year</th>
<th>2020</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Targeted reduction from base year (%)</th>
<th>32</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]</th>
<th>0.004828</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>% change anticipated in absolute Scope 1+2 emissions</th>
<th>-13.5</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>% change anticipated in absolute Scope 3 emissions</th>
<th>0</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intensity figure in reporting year (metric tons CO2e per unit of activity)</th>
<th>0.0033</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>% of target achieved [auto-calculated]</th>
<th>167.253521126761</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Target status in reporting year</th>
<th>Achieved</th>
</tr>
</thead>
</table>

Is this a science-based target?
No, but we are reporting another target that is science-based

<table>
<thead>
<tr>
<th>Target ambition</th>
<th>&lt;Not Applicable&gt;</th>
</tr>
</thead>
</table>

Please explain (including target coverage)
Cummins in 2016 approved its third GHG goal in 10 years after exceeding its second greenhouse gas (GHG) reduction goal in 2015. The current goal’s intensity factor is based on hours worked, not revenue as previously used. All consolidated operations and joint ventures subscribing to Cummins’ Enterprise Environmental Management System are included. However, emissions associated with generation of sold electricity (as part of the power solutions business) and mobile sources (emissions associated with onroad vehicles) are not included in the goals. Additionally, it is assumed that 2010 market based emissions to be the same as location based emissions. During the same period (2010 to 2020), based on the hours forecast, a 10% increase in absolute Scope 1+2 emissions is anticipated. This target does not include or impact Scope 3 emissions.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Target(s) to increase low-carbon energy consumption or production
(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2018

Target coverage
Country/region

Target type: absolute or intensity
Absolute

Target type: energy carrier
Electricity

Target type: activity
Production

Target type: energy source
Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)
Percentage

Target denominator (intensity targets only)
<Not Applicable>

Base year
2019

Figure or percentage in base year
89

Target year
2030

Figure or percentage in target year
100

Figure or percentage in reporting year
94

% of target achieved [auto-calculated]
45.4545454545455

Target status in reporting year
Underway

Is this target part of an emissions target?
One of the 8 goals of PLANET 2050 is an absolute GHG emissions reduction from facilities and operations of 50%. One of the ways Cummins has identified to meet this goal is to provide more renewable electricity through onsite solar photovoltaics and offsite power purchase in non-U.S. locations in addition to virtual power purchase agreement that this question covers. This goal is to fully realize the capacity of the 75 megawatt expansion of the Meadow Lake VI windfarm in northwest Indiana. Cummins as a robust verification process for the renewable energy credits (RECs) we receive. On an annual basis, we use a third party to certify our RECs (Green-e, the leading provider of this service) to make sure they are accurate and not double counted, and we register and permanently retire the RECs in M-RETS (Midwest Renewable Energy Tracking System).

Is this target part of an overarching initiative?
Science-based targets initiative

Please explain (including target coverage)
The absolute GHG emissions reduction from facilities and operations of 50% goal was approved by the Science Based Target Initiative. The goal is aligned to a 1.5 degrees Celsius pathway and would include actions such as this virtual power purchase agreement. This particular goal also aligns with our community resilience aspiration of PLANET 2050 that communities are better because we are there. This includes an aspiration that we have a net positive impact in every community where we operate, where the sum of environmental good is greater than our environmental footprint. In 2020, the Meadow Lake VI farm generated enough renewable power to offset 100% of our electricity use in our Indiana facilities.

---

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

Yes

---

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

<table>
<thead>
<tr>
<th>Number of initiatives</th>
<th>Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under investigation</td>
<td>426</td>
</tr>
<tr>
<td>To be implemented*</td>
<td>88</td>
</tr>
<tr>
<td>Implementation commenced*</td>
<td>4</td>
</tr>
<tr>
<td>Implemented*</td>
<td>153</td>
</tr>
<tr>
<td>Not to be implemented</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Initiative category &amp; Initiative type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in buildings</td>
</tr>
<tr>
<td>Building Energy Management Systems (BEMS)</td>
</tr>
</tbody>
</table>

Estimated annual CO2e savings (metric tonnes CO2e)
897

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
338004

Investment required (unit currency – as specified in C0.4)
171900

Payback period
<1 year

Estimated lifetime of the initiative
11-15 years

Comment
24 projects

<table>
<thead>
<tr>
<th>Initiative category &amp; Initiative type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in buildings</td>
</tr>
<tr>
<td>Heating, Ventilation and Air Conditioning (HVAC)</td>
</tr>
</tbody>
</table>

Estimated annual CO2e savings (metric tonnes CO2e)
4946

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
294590

Investment required (unit currency – as specified in C0.4)
656900

Payback period
4-10 years

Estimated lifetime of the initiative
16-20 years

Comment
24 projects

<table>
<thead>
<tr>
<th>Initiative category &amp; Initiative type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in buildings</td>
</tr>
<tr>
<td>Lighting</td>
</tr>
</tbody>
</table>

Estimated annual CO2e savings (metric tonnes CO2e)
2833

Scope(s)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary
Annual monetary savings (unit currency – as specified in C0.4)
623663
Investment required (unit currency – as specified in C0.4)
1653884
Payback period
1-3 years
Estimated lifetime of the initiative
11-15 years
Comment
48 projects

Initiative category & Initiative type

| Energy efficiency in production processes | Compressed air |

Estimated annual CO2e savings (metric tonnes CO2e)
4670
Scope(s)
Scope 2 (market-based)
Voluntary/Mandatory
Voluntary
Annual monetary savings (unit currency – as specified in C0.4)
403885
Investment required (unit currency – as specified in C0.4)
343790
Payback period
<1 year
Estimated lifetime of the initiative
11-15 years
Comment
29 projects

Initiative category & Initiative type

| Energy efficiency in production processes | Other, please specify (Energy Recovery) |

Estimated annual CO2e savings (metric tonnes CO2e)
3111
Scope(s)
Scope 2 (market-based)
Voluntary/Mandatory
Voluntary
Annual monetary savings (unit currency – as specified in C0.4)
526930
Investment required (unit currency – as specified in C0.4)
605000
Payback period
<1 year
Estimated lifetime of the initiative
16-20 years
Comment
4 projects

Initiative category & Initiative type

| Energy efficiency in production processes | Machine/equipment replacement |

Estimated annual CO2e savings (metric tonnes CO2e)
18
Scope(s)
Scope 2 (market-based)
Voluntary/Mandatory
Voluntary
### Energy Efficiency in Production Processes

**Initiative Category & Initiative Type**

<table>
<thead>
<tr>
<th>Initiative Category</th>
<th>Initiative Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in production processes</td>
<td>Motors and drives</td>
</tr>
</tbody>
</table>

**Estimated Annual CO2e Savings (Metric Tonnes CO2e)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>CO2e Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 projects</td>
<td>472</td>
</tr>
</tbody>
</table>

**Scope(s)**

- Scope 2 (market-based)

**Voluntary/Mandatory**

- Voluntary

**Annual Monetary Savings (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 projects</td>
<td>6000</td>
</tr>
</tbody>
</table>

**Investment Required (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 projects</td>
<td>5000</td>
</tr>
</tbody>
</table>

**Payback Period**

- <1 year

**Estimated Lifetime of the Initiative**

- 11-15 years

**Comment**

- 2 projects

### Energy Efficiency in Production Processes

**Initiative Category & Initiative Type**

<table>
<thead>
<tr>
<th>Initiative Category</th>
<th>Initiative Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in production processes</td>
<td>Smart control system</td>
</tr>
</tbody>
</table>

**Estimated Annual CO2e Savings (Metric Tonnes CO2e)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>CO2e Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 projects</td>
<td>450</td>
</tr>
</tbody>
</table>

**Scope(s)**

- Scope 2 (market-based)

**Voluntary/Mandatory**

- Voluntary

**Annual Monetary Savings (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 projects</td>
<td>56000</td>
</tr>
</tbody>
</table>

**Investment Required (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 projects</td>
<td>124430</td>
</tr>
</tbody>
</table>

**Payback Period**

- 4-10 years

**Estimated Lifetime of the Initiative**

- 11-15 years

**Comment**

- 6 projects

### Low-Carbon Energy Generation

**Initiative Category & Initiative Type**

<table>
<thead>
<tr>
<th>Initiative Category</th>
<th>Initiative Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low-carbon energy generation</td>
<td>Solar PV</td>
</tr>
</tbody>
</table>

**Estimated Annual CO2e Savings (Metric Tonnes CO2e)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>CO2e Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 projects</td>
<td>657</td>
</tr>
</tbody>
</table>

**Scope(s)**

- Scope 2 (market-based)

**Voluntary/Mandatory**

- Voluntary

**Annual Monetary Savings (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 projects</td>
<td>150409</td>
</tr>
</tbody>
</table>

**Investment Required (Unit Currency – as specified in C0.4)**

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 projects</td>
<td>253438</td>
</tr>
</tbody>
</table>

**Payback Period**

- 1-3 years

**Estimated Lifetime of the Initiative**

- 11-15 years

**Comment**

- 13 projects
Annual monetary savings (unit currency – as specified in C0.4)  
133487

Investment required (unit currency – as specified in C0.4)  
860962

Payback period  
4-10 years

Estimated lifetime of the initiative  
16-20 years

Comment  
3 projects

---

C4.3c

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

<table>
<thead>
<tr>
<th>Method</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dedicated budget for energy efficiency</td>
<td>Since 2007, Cummins has implemented an energy efficiency capital fund to finance energy-related projects. Cummins has a comprehensive investment plan designed to achieve the Company’s 2015 energy and GHG intensity goals, as well as the new 2020 energy and GHG intensity goals.</td>
</tr>
<tr>
<td>Internal price on carbon</td>
<td>$7 per metric ton CO2e; except where local external price on carbon is higher, in which case the higher price is used.</td>
</tr>
<tr>
<td>Dedicated budget for other emissions reduction activities</td>
<td>A central budget is provided to fund corporate energy and GHG initiatives, including the Cummins Environmental Champion program (updated Energy Champion program integrating Water and Waste) and implementing ISO 50001 across the Cummins Enterprise. Cummins 2020 goal was to certify 40 sites and by end of 2020 has 44 sites globally certified to ISO 50001. In addition, Cummins has a dedicated budget of $2.5 million for onsite renewable energy installations. To date, Cummins has trained 671 Environmental Champions.</td>
</tr>
<tr>
<td>Employee engagement</td>
<td>Cummins continues to have a successful Environmental Champions program. Environmental Champions take 32 hours of training over five days. Conformance with this program is a requirement for the 50 priority sites that comprise 90 percent of Cummins environmental footprint. In addition, Cummins issues internal newsletters and blogs, and conducts company-wide June environmental month activities where more than two-thirds of the company’s employees participate in learning or site activities.</td>
</tr>
<tr>
<td>Financial optimization calculations</td>
<td>Cummins uses a model of the internal rate of return to establish a baseline IRR for funded energy efficiency projects. Use of common financial analysis tools and calculators.</td>
</tr>
<tr>
<td>Internal incentives/recognition programs</td>
<td>Cummins has conducted company-wide environmental awards since 2005, called the Impact Awards program. Each year, sites are encouraged to submit applications for the awards, using a common template and judged by a panel of Cummins energy and environmental leaders. Award winners are entered into the recognition framework called the Impact Awards. Employees who led a project, employees who were involved with a project or employees who served as the project sponsor can self-nominate their work and can be judged and then recognized their work represents an outstanding effort that supports overall business goals. Beginning in 2017, there are now three different Impact Awards that employees can be recognized for: Business Impact; Global Impact; Chairman’s Impact. One of the five award area categories is Environmental. Projects included in this category can range from site facility projects to product design to projects in collaboration with a customer. Many of these projects are climate related through greater energy efficiency or increased fuel economy.</td>
</tr>
<tr>
<td>Partnering with governments on technology development</td>
<td>The company’s recent portfolio of government co-funded technology development and system integration programs stands at nearly $500 million million in total public / private research investment since 2010. Cummins is a Department of Energy (DOE) Better Plants Program partner as we as a US EPA Green Power partner. Cummins lists key Dept. of Energy partnerships in its Sustainability Report year. The latest list in the 2020 report is on pages 59-60.</td>
</tr>
<tr>
<td>Compliance with regulatory requirements/standards</td>
<td>In the UK, meeting the requirements of the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme.</td>
</tr>
<tr>
<td>Internal finance mechanisms</td>
<td>In addition to the dedicated capital fund, energy and GHG reduction projects are also implemented through normal channels. Sites implement energy efficiency projects and select energy efficient options for projects by using the same financial tools and investment criteria as are used for the dedicated capital fund.</td>
</tr>
</tbody>
</table>

---

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**

Remanufactured engines and components, lighter-weight heavy duty engines, lighter-weight turbochargers and aftertreatment systems

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

Low-carbon product

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

Other, please specify (Company's own fuel consumption model)

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

10

**% of total portfolio value**

<Not Applicable>

**Asset classes/ product types**

<Not Applicable>

**Comment**

---

**Level of aggregation**

Group of products

**Description of product/Group of products**

More fuel efficient heavy duty diesel engines, natural gas engines remanufactured engines plus co and tri-generation power systems, mobile generators, waste to energy systems

**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 (Company's own fuel consumption model)

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

10

**% of total portfolio value**

<Not Applicable>

**Asset classes/ product types**

<Not Applicable>

**Comment**

---

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 2010

Base year end
December 31 2010

Base year emissions (metric tons CO2e)
249097

Comment
Scope 1 emissions include (1) Stationary combustion, (2) Generation of sold electricity, (3) Fugitive SF6, CO2, (4) Mobile sources and (5) Refrigerant emissions.

Scope 2 (location-based)

Base year start
January 1 2010

Base year end
December 31 2010

Base year emissions (metric tons CO2e)
547158

Comment
Scope 2 emissions include (1) Electricity, (2) Hot Water, (3) Steam.

Scope 2 (market-based)

Base year start
January 1 2010

Base year end
December 31 2010

Base year emissions (metric tons CO2e)
547158

Comment
Scope 2 emissions include (1) Electricity, (2) Hot Water, (3) Steam.

C5.2

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

ISO 14064-1
US EPA Center for Corporate Climate Leadership: Indirect Emissions From Purchased Electricity
US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources
US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources
US EPA Mandatory Greenhouse Gas Reporting Rule

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
258437

Start date
<Not Applicable>

End date
<Not Applicable>

Comment
(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
Cummins reports both Scope 2 location based and market based figures.

C6.3

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

Reporting year
Scope 2, location-based
440616

Scope 2, market-based (if applicable)
336092

Start date
<Not Applicable>

End date
<Not Applicable>

Comment
Scope 2 market-based emissions in 2020 were significantly less than location-based emissions in part because of the inclusion of renewable energy certificates (RECs) retained by Cummins for approximately 112,725 metric tons of CO2e (carbon dioxide equivalent) associated with a virtual power purchase agreement (VPPA). Updated emission factors reduced greenhouse gases (GHGs) associated with electricity purchased from the grid by approximately 43,000 metric tons of CO2e, a change which can be partially attributed to improvements in the carbon intensity of the grid in at least some of the regions where Cummins operates. The following sources were used to calculate location-based emissions: 1) US EPA eGRID 2019, (14th edition), February 23, 2021. 2) Australia: Latest estimated scope 2 emission factors for consumption of purchased electricity from the grid as given in Table 44 ("Electricity emission factors for end users") of the National Greenhouse Gas Accounts (NGGA) Factors published in October 2020. 3) Canada: National Inventory Report 1990-2018: Greenhouse Gas Sources and Sinks in Canada, Part 3. Annex 13: Emission Factors, Tables A13-1 to A13-14. 4) Facilities outside of the United States, Canada, and Australia used factors for 2018 from the “CO2 Emissions from Fuel Combustion” (2020 Edition) published by the International Energy Agency (IEA) in Paris. For market-based calculations, Cummins used residual mix factors for European facilities from the Association of Issuing Bodies, "European Residual Mixes: Results of the calculation of residual mixes for the calendar year 2018," Version 1.2, 2019-07-11. The calculations default to location-based factors for facilities outside of Europe where residual mix factors are not currently available.

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?

No

C6.5

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

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
3826000

**Emissions calculation methodology**
Cummins total spend data for direct purchasing (including raw materials - metals and commodities usage) as well as total 2020 indirect purchase expenses (including supply chain services, facilities services, IT and engineering, corporate services, etc.) were used to estimate the associated Scope 3 emissions. For purchased raw materials, cradle to gate approach was used to estimate the scope 3 emissions using the 2011 purchase data. 2020 emissions was calculated based on revenue change factor. For indirect purchasing goods and services, UK DEFRA’s Standard Industrial Classification (SIC) Codes closest to the spend category and 2009 emission factors were utilized to estimate the scope 3 emissions (Reference/Source of Emission factors: Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance: March 2019; defra.uk). - Supply Chain Services: 20% assumed as ancillary transport services (SIC Code 63) under purchased goods and services; 80% is assumed transportation and distribution of products and parts. - Corporate Services: 10% as insurance and pension funds (SIC Code 66); 10% auxiliary financial services (SIC Code 66); and 80% as legal, consultancy, other business activities (SIC Code 74) Facilities Services: 75% assumed as purchased goods and services and rest 25% as capital goods. Of the 75%, assumed 50% as real estate activities (SIC Code 70); 25% as legal, consultancy, other business activities - industrial cleaning (SIC Code 74); 25% sewage and refuse services (SIC Code 90) - Product Testing and Manufacturing Services: 75% assumed as research and development (SIC Code 73) under purchased goods and services and 25% as capital goods; - IT & Engineering Services: 50% assumed as purchased goods and services and 50% as capital goods. Within purchased goods 50% is assumed as computer services (SIC Code 72) and 50% as metal products – general mechanical engineering services (SIC Code 28) - Indirect/Undefined: 50% assumed as office machinery and computers (SIC Code 30) under purchased goods and services and 50% as capital goods

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
100

**Please explain**
Used 2020 indirect purchase data and also emissions estimated during Cummins environmental hot spot analysis study conducted in 2012 based on 2011 data adjusted to 2020 revenue. The hot spot analysis also includes the direct purchases of metals and other raw materials that go into the manufacturing of engines.

**Capital goods**

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
458000

**Emissions calculation methodology**
Cummins total 2020 spend data for capital goods purchases in facilities & construction, IT, engineering and machinery was used to estimate the scope 3 emissions. UK DEFRA’s SIC Codes closest to the spend category and 2009 emission factors were utilized to estimate the scope 3 emissions (Reference/Source of Emission factors: Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance: March 2019; defra.uk). We assume that 100 percent of the indirect purchasing on facilities and construction is towards capital goods purchases.

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
100

**Please explain**
Used 2020 indirect spend data to update the calculations as described in the calculation methodology.

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

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
150000

**Emissions calculation methodology**
Energy consumption data for activities not included in Scope 1 or 2 is grouped by type (e.g. natural gas) and multiplied by activity specific emission factors. Life-cycle analysis software is used as the basis of emission factors for upstream emissions of purchased fuels. Emission factors for upstream emissions of purchased electricity are based on life-cycle analysis software for the US and on UK Defra 2012 Guidelines for other countries. Emission factors for T&D losses are based on EPA’s eGRID database for the US and on UK Defra 2012 guidelines for other countries. GWPs are IPCC Fourth Assessment Report (SAR - 100 year).

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
100

**Please explain**
Includes scope 3 emissions from fuel and energy related activities from owned and operated facilities, 50:50 joint ventures subscribed to Cummins Enterprise Environmental Management System and 50:50 manufacturing joint ventures where Cummins has significant influence on operations.
### Upstream transportation and distribution

<table>
<thead>
<tr>
<th>Evaluation status</th>
<th>Relevant, calculated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric tonnes CO2e</td>
<td>835000</td>
</tr>
</tbody>
</table>

**Emissions calculation methodology**

2020 transportation and distribution was assumed to be equal to 80 percent of the supply chain services spend. Also it was assumed 70 percent of the logistics was through road, 10 percent through rail, 10 percent through water and 10 percent through air. UK DEFRA’s SIC Codes for Rail, Road, Water and Air categories and 2009 emission factors were utilized to estimate the scope 3 emissions (Reference/Source of Emission factors: Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance; March 2019; defra.uk).

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

100

**Please explain**

Used 2020 indirect spend data for Supply Chain Services - Transportation and Distribution - to calculated the upstream transportation and distribution emissions as described in the methodology.

### Waste generated in operations

<table>
<thead>
<tr>
<th>Evaluation status</th>
<th>Relevant, calculated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric tonnes CO2e</td>
<td>3300</td>
</tr>
</tbody>
</table>

**Emissions calculation methodology**

The Waste Reduction Model (WARM) created by the U.S. Environmental Protection Agency (EPA) was used to quantify the scope 3 emissions for the landfilled waste, combusted waste and composted waste from Cummins global facilities for the year 2020. As there were no separate categories available for incinerated waste and waste that was burned for energy recovery, both were included in the combusted waste category and default factors in the tool were used to calculate the GHG emissions. Due to non-availability of exact categories, the general refuse / garbage generated was categorized as Mixed Organics as it includes primarily food waste from canteen, grass clippings from lawn etc. and the process derived industrial waste was categorized as Mixed MSW. Composted waste data from global facilities and the same was included in the emissions analysis (Reference/Source: EPA WARM Model).

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

100

**Please explain**

In 2020, Cummins recycled about 93 percent of the global waste generated. This includes metals, electronic items, paper, plastics and corrugated boxes. As the model shows a GHG reduction for recycled product categories, the same was not included in the WARM model. There was significant reduction in Landfill waste from 19500 MT to 13300MT in 2020.

### Business travel

<table>
<thead>
<tr>
<th>Evaluation status</th>
<th>Relevant, calculated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric tonnes CO2e</td>
<td>23900</td>
</tr>
</tbody>
</table>

**Emissions calculation methodology**

All air travel data are tracked through a service provided to Cummins by AmEx. Emissions are calculated using the short, medium, and long haul air travel categories and associated emission factors given in Table 8 of US EPA EF Hub March 9, 2018. Car rental mileage is provided by rental car companies (Hertz and Enterprise). The total emissions for Enterprise are calculated using US EPA EF Hub Passenger Car factors in the March 9, 2018 edition. Total CO2e emissions were calculated by Hertz using “industry standard calculation protocols.” However, the precise methodology and data upon which this total was based were not provided by Hertz.

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

100

**Please explain**

Provided to Cummins by American Express, the air travel services provider, and Hertz and Enterprise, car rental providers. This data is emissions from air travel for flights and car rentals worldwide.

### Employee commuting

<table>
<thead>
<tr>
<th>Evaluation status</th>
<th>Relevant, calculated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric tonnes CO2e</td>
<td>68000</td>
</tr>
</tbody>
</table>

**Emissions calculation methodology**


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

75

**Please explain**

Cummins employees outside of the US tend be use transportation modes other than single-passenger personal vehicles more than their US counterparts. While it results in fewer GHG emissions, it is harder to track. This data represents the estimates conducted in 2012 by the regional environmental leaders and adjusted for 2019 employee headcount.
Upstream leased assets

Evaluation status
Relevant, calculated

Metric tonnes CO2e
19000

Emissions calculation methodology
Cummins leased facilities exempt from environmental reporting that are shared facilities with no operational control, separate meter and utility bills is considered under this category. Based on the Area Business Organization (ABO), Business Unit (BU) and facility type (Eg: Office, Warehouse etc), scope 1 and scope 2 emissions intensity were estimated and applied based on the occupied square footage. The total square footage is assumed to the same as 2012. The Scope 1 and Scope 2 intensity is based on the average country specific Scope 1 and Scope 2 emission intensities that CMI owned/managed facilities.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
90

Please explain
The list of facilities that are included in this category is maintained by the facilities real estate and the utility charges are included in the lease amount. We applied the country specific intensity factor for scope 1 and scope 2 and multiplied by the area of the leased facility in each country to get the totals.

Downstream transportation and distribution

Evaluation status
Relevant, calculated

Metric tonnes CO2e
835000

Emissions calculation methodology
Most Cummins customers pay for the transportation of products sold to them, either directly or via part of an overall invoice. Since separate data is not available, the assumption was made that downstream transportation and distribution emissions of shipping and distribution of final products to customers are same as upstream transportation and distribution of parts and input materials.

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

Please explain
Most Cummins customers pay for the transportation of products sold to them, either directly or via part of an overall invoice. There’s no separate dollar spend available. Hence assumption was made that downstream transportation and distribution emissions of shipping and distribution of final products to customers are same as upstream transportation and distribution of parts and input materials.

Processing of sold products

Evaluation status
Relevant, calculated

Metric tonnes CO2e
3200

Emissions calculation methodology
Engine weights used in the general categories of mid-range, heavy-duty and high-horsepower were derived by updating the 2012 calculation of weighted-average by volume of the various engine families within those three categories. Custodial engine volumes were taken from annual report Form 10-K and JV engine volumes were estimated using 2019 vs 2017 JV revenue growth. Assumptions were made on the power of the power tools / hoist used and the time taken to install each unit.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
Based on engines shipped as detailed in Cummins 2019 Annual Report on Form 10-K and JV volumes were estimated applying 2019 to 2017 revenue growth factor.

Use of sold products

Evaluation status
Relevant, calculated

Metric tonnes CO2e
751000000

Emissions calculation methodology
Cummins use of sold product emissions were calculated using overall volumes by segment and engine model, which were then multiplied by the attrition rates to determine the volumes in operation each year moving forward. 2020 emissions were calculated by adjusting overall 2020 engine volumes against 2015 volumes. We used the long-standing Cummins New and Recon parts proprietary parts consumption model as well as customer engineering analysis to determine the attrition rate. We then multiplied each of these yearly figures by an age factor (i.e., a 10 year old truck will not operate the same number of hours or miles as a brand new truck) and then converted miles per gallon or gallons per hour to million metrics tons of CO2. The CO2e conversion factor for Diesel was applied based on the EPA’s EF Hub and AR 4.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
The lifetime CO2 emissions of engines produced by Cummins and its joint ventures in 2020. Overall volume of engines for custodial plants was down in 2020, the associated GHG emissions went down due to product mix.
### End of life treatment of sold products

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
48000

**Emissions calculation methodology**
Cummins conducted a hot spot analysis to evaluate the impact of the end of life treatment of sold products. The waste related to sold product is primarily iron and steel (more than 90%). The estimates are based on landfilling, processing, and recycling of the generated wastes associated with those products. The assumption is 5% of the products are scrapped – 90% are melted / processed. The emissions were adjusted based on the change in the number of engine units shipped between 2011 and 2020.

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
100

**Please explain**
The emissions reported here are the estimated emissions from the scrap of all products in use in the year 2011. This is different from the forward looking end of life emissions from all products sold in the year 2020. • Off-highway sales decreased $250 million, primarily due to lower demand in construction markets, especially in China, Asia Pacific and India. • Medium-duty truck and bus sales decreased $148 million, principally due to decreased global bus sales and lower medium-duty truck demand in Brazil, partially offset by increased medium-duty truck sales in North America. • Heavy-duty truck engine sales decreased $97 million, mainly due to lower demand in the North American heavy-duty truck market with decreased shipments of 6 percent, partially offset by increased sales in China. • Light-duty automotive sales decreased $15 million as lower LCV sales, mainly in China, were mostly offset by higher pick-up truck sales in North America.

### Downstream leased assets

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
40400

**Emissions calculation methodology**
This represents our rental generator fleet. We have made assumptions on generator use - as some generators are used as backup power and others operate full time. The total number of rental fleet generators at North American distributor locations were collected for 2012. Total fuel usage was estimated based on the number of generators from each kW category, efficiency and monthly average run time. The emissions were adjusted to the change in power systems business as a proxy for power solutions.

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
100

**Please explain**
This calculation is from 1,340 units rented through our North American distributors during 2012 and doesn't include similar fleets outside NA. The total emissions were adjusted proportionate to the drop in power solutions business in 2015 compared to 2012. In 2020, similar to prior year, since there was no separate power solutions sales available, used the power systems business change as proxy. Power Systems segment sales decreased 4 percent, due to lower demand in all product lines, especially industrial, as demand declined in oil and gas markets in North America and the global mining market.

### Franchises

**Evaluation status**
Not relevant, explanation provided

**Metric tonnes CO2e**
<Not Applicable>

**Emissions calculation methodology**
<Not Applicable>

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
<Not Applicable>

**Please explain**
This category is not applicable as franchises are not part of Cummins’ business model.

### Investments

**Evaluation status**
Relevant, calculated

**Metric tonnes CO2e**
43400

**Emissions calculation methodology**
Emissions from 50:50 joint venture investments in China and India are included in Scope 1 and Scope 2 based on operational control scope. The remaining minority and unconsolidated joint venture operations where Cummins does not have operational or administrative control are included in this category. Cummins holds a minority stake (≤20% and 20-50% equity investee) in several distributor businesses and manufacturing operations, primarily in regions other than India and China. Emissions are calculated using unconsolidated revenue data and proportionate market-based emissions from the consolidated and 50:50 JV revenues.

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

**Please explain**
Emissions from 50:50 joint venture investments in China and India are included in Scope 1 and Scope 2 based on operational control. The remaining minority and unconsolidated joint venture operations where Cummins does not have operational or administrative control are included in this category.
Other (upstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Cummins has not evaluated other upstream scope 3 emissions.

Other (downstream)

Evaluation status
Not evaluated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Cummins has not evaluated other upstream scope 3 emissions.

C6.7

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

C6.7a

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

<table>
<thead>
<tr>
<th>CO2 emissions from biogenic carbon (metric tons CO2)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1: 14.57</td>
<td>Calculated using the percentage of biodiesel in diesel fuel and ethanol in gasoline. Biogenic CO2e generated in 2020 decreased by approximately 43% from 25.35 metric tons in 2019 to 14.57 metric tons in 2020.</td>
</tr>
</tbody>
</table>

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
0.000031002

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
594529

Metric denominator
unit total revenue

Metric denominator: Unit total
19176834245

Scope 2 figure used
Market-based

% change from previous year
2.3

Direction of change
Increased

Reason for change
While Scope 1 and Scope 2 market-based emissions in 2020 decreased by 13.7% compared to the prior year, the proportionally greater reduction of 15.6% in revenue (adjusted for inflation to 2010 dollars) resulted in an increase in emission intensity. The COVID-19 pandemic was a major factor in both the change in revenue and the reduction in emissions. Renewable energy certificates (RECs) totaling approximately 112,725 metric tons of CO2e (carbon dioxide equivalent) retained by Cummins for energy produced at the Meadow Lake VI wind farm in northwest Indiana (U.S.) continued to reduce the company’s Scope 2 emissions, though the amount of CO2e offset by the virtual power purchase agreement (VPPA) in 2020 was less than the 126,774 metric tons in 2019. Emission factor updates in 2020 also impacted greenhouse gases (GHGs) associated with the grid, leading to a reduction of approximately 43,000 metric tons of CO2e. In addition to its VPPA, Cummins continued to invest in facilities to reduce emissions with a focus on test cell energy recovery and investments in on-site renewable projects to offset electricity purchased from the grid. The company has now implemented 45 onsite solar photovoltaic projects in 11 countries, with a peak capacity of 29 megawatts, which are today generating about 5% of the company’s global electricity needs. There are 16 Cummins sites in India, alone, with solar installations. In China, the Beijing Foton Cummins Engine Company in 2019 expanded the largest solar array in the company, adding panels to a second building that, thanks to technology advances, can produce nearly as much power as the original 650,000 square foot array built in 2016. Over the past five years, Cummins has invested $65 million in energy reduction projects, saving $19 million each year, with an average return on investment of 3.4 years. About 85% of the company’s light fixtures are now LED as the result of a global campaign. In 2016, the company pledged to have 90% of its facility GHG footprint, or 40 sites, certified to the ISO energy management standard 50001. By the end of 2020, Cummins had surpassed that goal, reaching 45 sites. Between 2010 and 2020, the company’s energy efficiency and renewable energy efforts reduced Cummins’ GHG intensity by 41%.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
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).

<table>
<thead>
<tr>
<th>Greenhouse gas</th>
<th>Scope 1 emissions (metric tons of CO2e)</th>
<th>GWP Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO2</td>
<td>242712</td>
<td>IPCC Fourth Assessment Report (AR4 - 100 year)</td>
</tr>
<tr>
<td>CH4</td>
<td>171</td>
<td>IPCC Fourth Assessment Report (AR4 - 100 year)</td>
</tr>
<tr>
<td>N2O</td>
<td>400</td>
<td>IPCC Fourth Assessment Report (AR4 - 100 year)</td>
</tr>
<tr>
<td>HFCs</td>
<td>15118</td>
<td>IPCC Fourth Assessment Report (AR4 - 100 year)</td>
</tr>
<tr>
<td>Other, please specify (Fugitive SF6 and CO2)</td>
<td>56</td>
<td>IPCC Fourth Assessment Report (AR4 - 100 year)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 1 emissions (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angola</td>
<td>6</td>
</tr>
<tr>
<td>Argentina</td>
<td>147</td>
</tr>
<tr>
<td>Australia</td>
<td>1553</td>
</tr>
<tr>
<td>Belgium</td>
<td>4056</td>
</tr>
<tr>
<td>Bolivia (Plurinational State of)</td>
<td>6</td>
</tr>
<tr>
<td>Botswana</td>
<td>674</td>
</tr>
<tr>
<td>Brazil</td>
<td>2411</td>
</tr>
<tr>
<td>Canada</td>
<td>4831</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>10</td>
</tr>
<tr>
<td>China</td>
<td>44759</td>
</tr>
<tr>
<td>Colombia</td>
<td>35</td>
</tr>
<tr>
<td>Czechia</td>
<td>97</td>
</tr>
<tr>
<td>El Salvador</td>
<td>6</td>
</tr>
<tr>
<td>France</td>
<td>629</td>
</tr>
<tr>
<td>Germany</td>
<td>801</td>
</tr>
<tr>
<td>Ghana</td>
<td>49</td>
</tr>
<tr>
<td>Honduras</td>
<td>368</td>
</tr>
<tr>
<td>India</td>
<td>14,224</td>
</tr>
<tr>
<td>Ireland</td>
<td>6</td>
</tr>
<tr>
<td>Italy</td>
<td>96</td>
</tr>
<tr>
<td>Japan</td>
<td>26</td>
</tr>
<tr>
<td>Kazakhstan</td>
<td>71</td>
</tr>
<tr>
<td>Malaysia</td>
<td>220</td>
</tr>
<tr>
<td>Mexico</td>
<td>4514</td>
</tr>
<tr>
<td>Mongolia</td>
<td>161</td>
</tr>
<tr>
<td>Morocco</td>
<td>38</td>
</tr>
<tr>
<td>Mozambique</td>
<td>4</td>
</tr>
<tr>
<td>Netherlands</td>
<td>177</td>
</tr>
<tr>
<td>New Zealand</td>
<td>11</td>
</tr>
<tr>
<td>Nigeria</td>
<td>1351</td>
</tr>
<tr>
<td>Norway</td>
<td>16</td>
</tr>
<tr>
<td>Panama</td>
<td>74</td>
</tr>
<tr>
<td>Papua New Guinea</td>
<td>67</td>
</tr>
<tr>
<td>Philippines</td>
<td>135</td>
</tr>
<tr>
<td>Poland</td>
<td>211</td>
</tr>
<tr>
<td>Romania</td>
<td>1553</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>398</td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>29</td>
</tr>
<tr>
<td>Senegal</td>
<td>19</td>
</tr>
<tr>
<td>Serbia</td>
<td>55</td>
</tr>
<tr>
<td>Singapore</td>
<td>139</td>
</tr>
<tr>
<td>South Africa</td>
<td>1357</td>
</tr>
<tr>
<td>Republic of Korea</td>
<td>1471</td>
</tr>
<tr>
<td>Spain</td>
<td>44</td>
</tr>
<tr>
<td>Sweden</td>
<td>63</td>
</tr>
<tr>
<td>Turkey</td>
<td>1159</td>
</tr>
<tr>
<td>United Arab Emirates</td>
<td>371</td>
</tr>
<tr>
<td>United Kingdom of Great Britain and northern Ireland</td>
<td>24,952</td>
</tr>
<tr>
<td>United States of America</td>
<td>14,4663</td>
</tr>
<tr>
<td>Zambia</td>
<td>263</td>
</tr>
</tbody>
</table>

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

**By business division**

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

<table>
<thead>
<tr>
<th>Business division</th>
<th>Scope 1 emissions (metric ton CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components Segment</td>
<td>22312</td>
</tr>
<tr>
<td>Corporate Segment</td>
<td>5276</td>
</tr>
<tr>
<td>Distribution Segment</td>
<td>53445</td>
</tr>
<tr>
<td>Engine Segment</td>
<td>103804</td>
</tr>
<tr>
<td>New Power Segment</td>
<td>757</td>
</tr>
<tr>
<td>Supply Chain Segment</td>
<td>9958</td>
</tr>
<tr>
<td>Power Systems Segment</td>
<td>62887</td>
</tr>
</tbody>
</table>

(C7.4) Break down your organization’s total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

<table>
<thead>
<tr>
<th>Gross Scope 1 emissions, metric tons CO2e</th>
<th>Net Scope 1 emissions, metric tons CO2e</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Chemicals production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Coal production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Electric utility activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Metals and mining production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (upstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (midstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (downstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Steel production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Transport OEM activities</td>
<td>119715</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Transport services activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
</tbody>
</table>

Scope 1 emissions (metric ton CO2e)

- Cement production activities
- Chemicals production activities
- Coal production activities
- Electric utility activities
- Metals and mining production activities
- Oil and gas production activities (upstream)
- Oil and gas production activities (midstream)
- Oil and gas production activities (downstream)
- Steel production activities
- Transport OEM activities
- Transport services activities

Net Scope 1 emissions (metric ton CO2e)

- Cement production activities
- Chemicals production activities
- Coal production activities
- Electric utility activities
- Metals and mining production activities
- Oil and gas production activities (upstream)
- Oil and gas production activities (midstream)
- Oil and gas production activities (downstream)
- Steel production activities
- Transport OEM activities
- Transport services activities

Comment

- <Not Applicable>

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

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 2, location-based (metric tons CO2e)</th>
<th>Scope 2, market-based (metric tons CO2e)</th>
<th>Purchased and consumed electricity, heat, steam or cooling (MWh)</th>
<th>Purchased and consumed low-carbon electricity, heat, steam or cooling (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angola</td>
<td>18</td>
<td>18</td>
<td>34</td>
<td>0</td>
</tr>
<tr>
<td>Argentina</td>
<td>48</td>
<td>48</td>
<td>150</td>
<td>0</td>
</tr>
<tr>
<td>Australia</td>
<td>4829</td>
<td>4829</td>
<td>6783</td>
<td>0</td>
</tr>
<tr>
<td>Belgium</td>
<td>668</td>
<td>594</td>
<td>3323</td>
<td>0</td>
</tr>
<tr>
<td>Bolivia (Puninational State of)</td>
<td>3</td>
<td>3</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>Botswana</td>
<td>23</td>
<td>23</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>Brazil</td>
<td>2002</td>
<td>2002</td>
<td>20060</td>
<td>0</td>
</tr>
<tr>
<td>Canada</td>
<td>2949</td>
<td>2949</td>
<td>10570</td>
<td>0</td>
</tr>
</tbody>
</table>

Scope 2, location-based (metric tons CO2e)

- Cement production activities
- Chemicals production activities
- Coal production activities
- Electric utility activities
- Metals and mining production activities
- Oil and gas production activities (upstream)
- Oil and gas production activities (midstream)
- Oil and gas production activities (downstream)
- Steel production activities
- Transport OEM activities
- Transport services activities

Scope 2, market-based (metric tons CO2e)

- Cement production activities
- Chemicals production activities
- Coal production activities
- Electric utility activities
- Metals and mining production activities
- Oil and gas production activities (upstream)
- Oil and gas production activities (midstream)
- Oil and gas production activities (downstream)
- Steel production activities
- Transport OEM activities
- Transport services activities

Comment

- <Not Applicable>
<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 2, location-based (metric tons CO2e)</th>
<th>Scope 2, market-based (metric tons CO2e)</th>
<th>Purchased and consumed electricity, heat, steam or cooling (MWh)</th>
<th>Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Costa Rica</td>
<td>1</td>
<td>1</td>
<td>61</td>
<td>0</td>
</tr>
<tr>
<td>China</td>
<td>132188</td>
<td>132188</td>
<td>220475</td>
<td>0</td>
</tr>
<tr>
<td>Colombia</td>
<td>38</td>
<td>38</td>
<td>239</td>
<td>0</td>
</tr>
<tr>
<td>Czechia</td>
<td>7</td>
<td>8</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>El Salvador</td>
<td>2</td>
<td>2</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>France</td>
<td>201</td>
<td>186</td>
<td>3640</td>
<td>0</td>
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<tr>
<td>Germany</td>
<td>1247</td>
<td>2250</td>
<td>3106</td>
<td>0</td>
</tr>
<tr>
<td>Ghana</td>
<td>47</td>
<td>47</td>
<td>206</td>
<td>0</td>
</tr>
<tr>
<td>Honduras</td>
<td>55</td>
<td>55</td>
<td>173</td>
<td>0</td>
</tr>
<tr>
<td>India</td>
<td>58601</td>
<td>58601</td>
<td>77951</td>
<td>0</td>
</tr>
<tr>
<td>Ireland</td>
<td>18</td>
<td>35</td>
<td>56</td>
<td>0</td>
</tr>
<tr>
<td>Italy</td>
<td>16</td>
<td>25</td>
<td>52</td>
<td>0</td>
</tr>
<tr>
<td>Japan</td>
<td>90</td>
<td>90</td>
<td>178</td>
<td>0</td>
</tr>
<tr>
<td>Kazakhstan</td>
<td>98</td>
<td>98</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Malaysia</td>
<td>252</td>
<td>252</td>
<td>381</td>
<td>0</td>
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<tr>
<td>Mexico</td>
<td>18793</td>
<td>18793</td>
<td>41193</td>
<td>0</td>
</tr>
<tr>
<td>Mongolia</td>
<td>331</td>
<td>331</td>
<td>276</td>
<td>0</td>
</tr>
<tr>
<td>Morocco</td>
<td>21</td>
<td>21</td>
<td>34</td>
<td>0</td>
</tr>
<tr>
<td>Mozambique</td>
<td>1</td>
<td>1</td>
<td>21</td>
<td>0</td>
</tr>
<tr>
<td>Netherlands</td>
<td>55</td>
<td>70</td>
<td>131</td>
<td>0</td>
</tr>
<tr>
<td>New Zealand</td>
<td>41</td>
<td>41</td>
<td>376</td>
<td>0</td>
</tr>
<tr>
<td>Country/Region</td>
<td>Scope 2, location-based emissions (metric tons CO2e)</td>
<td>Scope 2, market-based emissions (metric tons CO2e)</td>
<td>Purchased and consumed electricity, heat, steam or cooling (MWh)</td>
<td>Purchased and consumed low-carbon electricity, heat, steam or cooling (MWh)</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>Nigeria</td>
<td>340</td>
<td>820</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Norway</td>
<td>2</td>
<td>61</td>
<td>220</td>
<td>0</td>
</tr>
<tr>
<td>Panama</td>
<td>17</td>
<td>17</td>
<td>96</td>
<td>0</td>
</tr>
<tr>
<td>Papua New Guinea</td>
<td>55</td>
<td>122</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Philippines</td>
<td>70</td>
<td>100</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Poland</td>
<td>49</td>
<td>69</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Romania</td>
<td>2564</td>
<td>2072</td>
<td>7658</td>
<td>0</td>
</tr>
<tr>
<td>Russian Federation</td>
<td>1082</td>
<td>1082</td>
<td>2986</td>
<td>0</td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>81</td>
<td>157</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Serbia</td>
<td>16</td>
<td>21</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Singapore</td>
<td>577</td>
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<tr>
<td>South Africa</td>
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<td>0</td>
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<td>Republic of Korea</td>
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<td>Spain</td>
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<td>0</td>
</tr>
<tr>
<td>Turkey</td>
<td>64</td>
<td>138</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>United Arab Emirates</td>
<td>1160</td>
<td>1160</td>
<td>2231</td>
<td>0</td>
</tr>
<tr>
<td>United Kingdom of Great Britain and northern Ireland</td>
<td>11061</td>
<td>43861</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>United States of America</td>
<td>194403</td>
<td>81696</td>
<td>471780</td>
<td>231365</td>
</tr>
<tr>
<td>Zambia</td>
<td>8</td>
<td>8</td>
<td>50</td>
<td>0</td>
</tr>
</tbody>
</table>
(C7.6a) Break down your total gross global Scope 2 emissions by business division.

<table>
<thead>
<tr>
<th>Business division</th>
<th>Scope 2, location-based (metric tons CO2e)</th>
<th>Scope 2, market-based (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components Segment</td>
<td>103907</td>
<td>87905</td>
</tr>
<tr>
<td>Corporate Segment</td>
<td>14644</td>
<td>4496</td>
</tr>
<tr>
<td>Distribution Segment</td>
<td>30863</td>
<td>30387</td>
</tr>
<tr>
<td>Engine Segment</td>
<td>213101</td>
<td>147115</td>
</tr>
<tr>
<td>New Power Segment</td>
<td>1366</td>
<td>1258</td>
</tr>
<tr>
<td>Supply Chain Segment</td>
<td>19415</td>
<td>19270</td>
</tr>
<tr>
<td>Power Systems Segment</td>
<td>57410</td>
<td>45661</td>
</tr>
</tbody>
</table>

(C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7) Break down your organization’s total gross global Scope 2 emissions by sector production activity in metric tons CO2e.

<table>
<thead>
<tr>
<th>Sector Production Activity</th>
<th>Scope 2, location-based, metric tons CO2e</th>
<th>Scope 2, market-based (if applicable), metric tons CO2e</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Chemicals production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Coal production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Metals and mining production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (upstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (midstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Oil and gas production activities (downstream)</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Steel production activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
<tr>
<td>Transport OEM activities</td>
<td>375705</td>
<td>281939</td>
<td>Emissions from Cummins’ engine, new power, power systems, and components business segments were included within the scope of transport OEM activities.</td>
</tr>
<tr>
<td>Transport services activities</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
</tr>
</tbody>
</table>
(C-TO7.8) Provide primary intensity metrics that are appropriate to your indirect emissions in Scope 3 Category 11: Use of sold products from transport.

**Activity**
Light Duty Vehicles (LDV)

**Emissions intensity figure**

**Metric numerator (Scope 3 emissions: use of sold products) in Metric tons CO2e**
306231118

**Metric denominator**
Please select

**Metric denominator: Unit total**

<table>
<thead>
<tr>
<th>% change from previous year</th>
<th>Vehicle unit sales in reporting year</th>
<th>Annual distance in km or miles (unit specified by column 4)</th>
<th>Load factor</th>
<th>Please explain the changes, and relevant standards/methodologies used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>215800</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Activity**
Heavy Duty Vehicles (HDV)

**Emissions intensity figure**

**Metric numerator (Scope 3 emissions: use of sold products) in Metric tons CO2e**
444730456

**Metric denominator**
Please select

**Metric denominator: Unit total**

<table>
<thead>
<tr>
<th>% change from previous year</th>
<th>Vehicle unit sales in reporting year</th>
<th>Annual distance in km or miles (unit specified by column 4)</th>
<th>Load factor</th>
<th>Please explain the changes, and relevant standards/methodologies used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>313400</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
C7.9b

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?

Location-based

C8. Energy

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Indicate whether your organization undertook this energy-related activity in the reporting year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstocks)</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td>No</td>
</tr>
<tr>
<td>Generation of electricity, heat, steam, or cooling</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Heating value</th>
<th>MWh from renewable sources</th>
<th>MWh from non-renewable sources</th>
<th>Total (renewable and non-renewable) MWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstocks)</td>
<td>HHV (higher heating value) 0</td>
<td>1113247</td>
<td>1113247</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td>&lt;Not Applicable&gt;</td>
<td>231305</td>
<td>683540</td>
<td>914845</td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td>&lt;Not Applicable&gt;</td>
<td>0</td>
<td>18173</td>
<td>18173</td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td>&lt;Not Applicable&gt;</td>
<td></td>
</tr>
<tr>
<td>Consumption of self-generated non-fuel renewable energy</td>
<td>&lt;Not Applicable&gt;</td>
<td>15970</td>
<td>&lt;Not Applicable&gt;</td>
<td>15970</td>
</tr>
<tr>
<td>Total energy consumption</td>
<td>&lt;Not Applicable&gt;</td>
<td>247275</td>
<td>1814960</td>
<td>2062235</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Indicate whether your organization undertakes this fuel application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel for the generation of electricity</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of heat</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of steam</td>
<td>Yes</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of cooling</td>
<td>No</td>
</tr>
<tr>
<td>Consumption of fuel for co-generation or tri-generation</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

**Fuels (excluding feedstocks)**
Fuel Oil Number 2

**Heating value**
HHV (higher heating value)

**Total fuel MWh consumed by the organization**
439037

**MWh fuel consumed for self-generation of electricity**
70447

**MWh fuel consumed for self-generation of heat**
2088

**MWh fuel consumed for self-generation of steam**
2088

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self-cogeneration or self-trigeneration**
0

**Emission factor**
73.96

**Unit**
kg CO2e per million Btu

**Emissions factor source**
CDP
## Comment
The self-generation of electricity using distillate fuel oil #2 is derived from fuel consumption in on-site test cells using an efficiency of 50%. Distillate fuel oil #2 usage associated with boilers, furnaces, forklifts and similar sources is split evenly between heat and steam.

### Table A

| Fuels (excluding feedstocks) | Heating value | Total fuel MWh consumed by the organization | MWh fuel consumed for self-generation of electricity | MWh fuel consumed for self-generation of heat | MWh fuel consumed for self-generation of steam | MWh fuel consumed for self-generation of cooling | MWh fuel consumed for self-cogeneration or self-trigeneration | Emission factor | Unit
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
<td>HHV (higher heating value)</td>
<td>498830</td>
<td>24484</td>
<td>322267</td>
<td>0</td>
<td>&lt;Not Applicable&gt;</td>
<td>16329</td>
<td>53.06</td>
<td>kg CO₂e per million Btu</td>
</tr>
</tbody>
</table>

### Emission factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?SID=ae265d7d6f98ec86fc88640b9793a38f6&mc=true&node=pt40.23.98&rgn=div5#ap40.23.98_19.1

## Comment
The cubic feet of natural gas consumed by test cells with regenerative dynamoseters is used as the basis for the self-generation of electricity. Stationary natural gas consumption reported at the facility level is counted toward the self-generation of heat. Energy generation associated with mobile sources and sold electricity is tracked separately.

### Table B

| Fuels (excluding feedstocks) | Heating value | Total fuel MWh consumed by the organization | MWh fuel consumed for self-generation of electricity | MWh fuel consumed for self-generation of heat | MWh fuel consumed for self-generation of steam | MWh fuel consumed for self-generation of cooling | MWh fuel consumed for self-cogeneration or self-trigeneration | Emission factor | Unit
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane Liquid</td>
<td>HHV (higher heating value)</td>
<td>12193</td>
<td>0</td>
<td>237</td>
<td>0</td>
<td>&lt;Not Applicable&gt;</td>
<td>0</td>
<td>61.71</td>
<td>kg CO₂e per million Btu</td>
</tr>
</tbody>
</table>

### Emission factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?SID=ae265d7d6f98ec86fc88640b9793a38f6&mc=true&node=pt40.23.98&rgn=div5#ap40.23.98_19.1

## Comment
Heat generation from propane is derived from a set proportion of fuel consumption not associated with test cells.

### Table C

| Fuels (excluding feedstocks) | Heating value | Total fuel MWh consumed by the organization | MWh fuel consumed for self-generation of electricity | MWh fuel consumed for self-generation of heat | MWh fuel consumed for self-generation of steam | MWh fuel consumed for self-generation of cooling | MWh fuel consumed for self-cogeneration or self-trigeneration | Emission factor | Unit
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, please specify (Stationary Gasoline)</td>
<td>HHV (higher heating value)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>&lt;Not Applicable&gt;</td>
<td>0</td>
<td>61.71</td>
<td>kg CO₂e per million Btu</td>
</tr>
</tbody>
</table>

### Emission factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?SID=ae265d7d6f98ec86fc88640b9793a38f6&mc=true&node=pt40.23.98&rgn=div5#ap40.23.98_19.1

## Comment
Heat generation from propane is derived from a set proportion of fuel consumption not associated with test cells.
Total fuel MWh consumed by the organization
431
MWh fuel consumed for self-generation of electricity
0
MWh fuel consumed for self-generation of heat
0
MWh fuel consumed for self-generation of steam
0
MWh fuel consumed for self-generation of cooling
<Not Applicable>
MWh fuel consumed for self-cogeneration or self-trigeneration
0
Emission factor
70.22
Unit
kg CO2e per million Btu
Emissions factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?
SID=ae265d7d6f58ec86fcd8640b9793a3f6&mc=true&node=pt40.23.98&rgn=div5rap40.23.98_19.1
Comment
Fuels (excluding feedstocks)
Motor Gasoline
Heating value
HHV (higher heating value)
Total fuel MWh consumed by the organization
53996
MWh fuel consumed for self-generation of electricity
0
MWh fuel consumed for self-generation of heat
0
MWh fuel consumed for self-generation of steam
0
MWh fuel consumed for self-generation of cooling
<Not Applicable>
MWh fuel consumed for self-cogeneration or self-trigeneration
0
Emission factor
8.78
Unit
kg CO2e per gallon
Emissions factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?
SID=ae265d7d6f58ec86fcd8640b9793a3f6&mc=true&node=pt40.23.98&rgn=div5rap40.23.98_19.1
Comment
Fuels (excluding feedstocks)
Diesel
Heating value
HHV (higher heating value)
Unit
kg CO2e per gallon

Emissions factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?SID=ae265d7df09be86fc8f640fb793a3f6&mc=true&node=pt40.23.98&rgn=dvstrap40.23.98_19.1

Comment

Fuels (excluding feedstocks)
Jet Kerosene

Heating value
HHV (higher heating value)

Total fuel MWh consumed by the organization
7653

MWh fuel consumed for self-generation of electricity
0

MWh fuel consumed for self-generation of heat
0

MWh fuel consumed for self-generation of steam
0

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration
0

Emission factor
9.75
Unit
kg CO2e per gallon

Emissions factor source
Federal Register EPA; 40 CFR Part 98; e-CFR, June 13, 2017. Table C-1, Table C-2, Table AA-1. https://www.ecfr.gov/cgi-bin/text-idx?SID=ae265d7df09be86fc8f640fb793a3f6&mc=true&node=pt40.23.98&rgn=dvstrap40.23.98_19.1

Comment

C8.2d

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

<table>
<thead>
<tr>
<th></th>
<th>Total Gross generation (MWh)</th>
<th>Generation that is consumed by the organization (MWh)</th>
<th>Gross generation from renewable sources (MWh)</th>
<th>Generation from renewable sources that is consumed by the organization (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>94953</td>
<td>94931</td>
<td>18448</td>
<td>18448</td>
</tr>
<tr>
<td>Heat</td>
<td>324592</td>
<td>324592</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Steam</td>
<td>2088</td>
<td>2088</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Cooling</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

**Sourcing method**
Power purchase agreement (PPA) with a grid-connected generator with energy attribute certificates

**Low-carbon technology type**
Wind

**Country/area of consumption of low-carbon electricity, heat, steam or cooling**
United States of America

**MWh consumed accounted for at a zero emission factor**
231305

**Comment**
Cummins retained renewable energy certificates (RECs) equivalent to approximately 231,305 MWh through a virtual power purchase agreement (VPPA) with the Meadow Lake VI wind farm in northern Indiana. The recent expansion of the wind farm was made possible through Cummins’ 15-year VPPA for 75 MW capacity signed in 2017. The VPPA provided a hedge against energy prices, as a slight price settlement loss was offset by reduced utility costs at the company’s Indiana plants. Cummins accounted for the RECs in its Scope 2 market-based emissions by applying them to electricity purchased from the utility grid at its Indiana facilities. Approximately 231,305 MWh of electricity to which the EPA eGRID 2019 factor for RFC West would otherwise have been applied used an emission factor of zero. This resulted in avoided emissions from grid electricity at Cummins’ Indiana facilities of 112,725 metric tons of CO2e.
(C9.1) Provide any additional climate-related metrics relevant to your business.

<table>
<thead>
<tr>
<th>Description</th>
<th>Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric value</td>
<td>93.3</td>
</tr>
</tbody>
</table>

**Metric numerator**
Total Waste Recycled

<table>
<thead>
<tr>
<th>Metric denominator (intensity metric only)</th>
<th>Total Waste Generated</th>
</tr>
</thead>
</table>

**% change from previous year**
2.4

**Direction of change**
Increased

**Please explain**
Cummins committed to increasing its recycling rate to 95% as one of its 2020 Sustainability Goals. Several high-impact projects including co-generation and energy recovery for energy rich but difficult to recycle materials contributed to the company achieving a recycling rate of 93.3% in 2020. Cummins also continued work on returnable and re-useable packaging, which reduces commonly recycled materials like corrugated paper and wood. That negatively impacted the recycling rate but moving up the waste hierarchy was the right thing to do. Regulatory barriers and the absence of recycling or recovery suppliers in some regions of the world continued to pose challenges in 2020.

---

<table>
<thead>
<tr>
<th>Description</th>
<th>Energy usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric value</td>
<td>0.08</td>
</tr>
</tbody>
</table>

**Metric numerator**
Total Energy Used [MMBtu]

<table>
<thead>
<tr>
<th>Metric denominator (intensity metric only)</th>
<th>Total Hours Worked</th>
</tr>
</thead>
</table>

**% change from previous year**
4.4

**Direction of change**
Increased

**Please explain**
In its 2020 sustainability goals, Cummins committed to reducing energy intensity [MMBtu/hours worked] by 32% as compared to a 2010 baseline. By the end of 2020, Cummins had reduced its global energy intensity by approximately 27%, falling just short of the goal. The company had been on track to reach its goal, achieving a 31% intensity reduction in late 2019, but the year-end 2020 intensity reduction was impacted by COVID-19. Cummins’ absolute energy use fell by 10% in 2020, but hours worked decreased even more — by 14% — which negatively impacted the energy intensity metric. Despite the pandemic-related setback, Cummins’ improvement over the goal period was significant. The 2020 goal was the company’s fourth greenhouse gas (GHG) reduction goal since 2006. Upon achieving a goal, Cummins set new targets to reach.

---

(C-TO9.3/C-TS9.3) Provide tracking metrics for the implementation of low-carbon transport technology over the reporting year.


<table>
<thead>
<tr>
<th>Investment in low-carbon R&amp;D</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Cummins’ New Power segment includes battery-electric and fuel cell electric products as well as products used in renewable hydrogen production and potentially other new power initiatives. In 2019, Cummins acquired Hydrogenics, a fuel cell and hydrogen production technologies company, which is now included in the segment. Cummins spent $906 million on research, development and engineering expenses in 2020, down from the record $1 billion in 2019. However, spending as a percentage of sales at the company actually increased from 4.2% in 2019 to 4.6% in 2020 as Cummins maintained its commitment to innovation. Perhaps the clearest example of innovation in 2020 was the company’s first Hydrogen Day, which highlighted Cummins’ progress on products connected to this promising low-carbon, renewable fuel source. Nearly 2,000 analysts, media members and potential customers attended the virtual event, learning about the company’s proton-exchange membrane (PEM) and solid oxide fuel cells as well as the electrolysers Cummins is manufacturing that are critical to producing renewable hydrogen. The supply of renewable hydrogen is a major obstacle to widespread use of the fuel. Cummins is doing its part to address that challenge. The company’s 20-megawatt PEM electrolyzer is part of the world’s largest PEM electrolysis plant in Bécancour, Quebec (Canada), and a 5-megawatt Cummins’ electrolyzer is part of the largest project in the United States. In addition, Cummins’ hydrogen fuel cell technology is helping to power the world’s first hydrogen powered passenger train in Europe and will help power North America’s first hydrogen powered ferry in San Francisco. By the end of 2020, New Power produced more than 900 battery modules and more than 200 electrified powertrain systems.</td>
</tr>
</tbody>
</table>

(C-TO9.6a/C-TS9.6a)
(C-TO9.6a/C-TS9.6a) Provide details of your organization's investments in low-carbon R&D for transport-related activities over the last three years.

Activity
Heavy Duty Vehicles (HDV)

Technology area
Electrification

Stage of development in the reporting year
Applied research and development

Average % of total R&D investment over the last 3 years
≤20%

R&D investment figure in the reporting year (optional)

Comment

C10. Verification

C10.1

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

<table>
<thead>
<tr>
<th>Scope</th>
<th>Verification/assurance status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 1</td>
<td>Third-party verification or assurance process in place</td>
</tr>
<tr>
<td>Scope 2 (location-based or market-based)</td>
<td>Third-party verification or assurance process in place</td>
</tr>
<tr>
<td>Scope 3</td>
<td>Third-party verification or assurance process in place</td>
</tr>
</tbody>
</table>

C10.1a

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

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Cummins 2020 GHG Verification Statement.pdf

Page/ section reference
Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions in 2020 from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 1 emission data is presented on page 1.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

C10.1b
### C10.1b

**Scope 2 approach**
- Scope 2 location-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**
- Cummins 2020 GHG Verification Statement.pdf

**Page section reference**
- Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions in 2020 from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 2 location-based emission data is presented on page 1.

**Relevant standard**
- ISO14064-3

**Proportion of reported emissions verified (%)**
- 100

---

### C10.1c

**Scope 3 category**
- Scope 3: Purchased goods and services

**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**
- Cummins 2020 GHG Verification Statement.pdf

**Page section reference**
- Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

**Relevant standard**
- ISO14064-3

**Proportion of reported emissions verified (%)**
- 100

---

### Scope 3 category
- Scope 3: Capital goods
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
Cummins 2020 GHG Verification Statement.pdf

Page/section reference

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

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

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
Cummins 2020 GHG Verification Statement.pdf

Page/section reference

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

Scope 3 category
Scope 3: Upstream transportation and distribution

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
Cummins 2020 GHG Verification Statement.pdf

Page/section reference

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

Scope 3 category
Scope 3: Waste generated in operations

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
Cummins 2020 GHG Verification Statement.pdf
Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

### Relevant standard

ISO 14064-3

<table>
<thead>
<tr>
<th>Proportion of reported emissions verified (%)</th>
<th>100</th>
</tr>
</thead>
</table>

### Scope 3 category

**Scope 3: Business travel**

**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**

Cummins 2020 GHG Verification Statement.pdf

---

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

#### Relevance standard

ISO 14064-3

<table>
<thead>
<tr>
<th>Proportion of reported emissions verified (%)</th>
<th>100</th>
</tr>
</thead>
</table>

### Scope 3 category

**Scope 3: Employee commuting**

**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**

Cummins 2020 GHG Verification Statement.pdf

---

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

#### Relevance standard

ISO 14064-3

<table>
<thead>
<tr>
<th>Proportion of reported emissions verified (%)</th>
<th>100</th>
</tr>
</thead>
</table>

### Scope 3 category

**Scope 3: Upstream leased assets**

**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**

Cummins 2020 GHG Verification Statement.pdf

---

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

#### Relevance standard

ISO 14064-3

<table>
<thead>
<tr>
<th>Proportion of reported emissions verified (%)</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 3 category</td>
<td>Verification or assurance cycle in place</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------</td>
</tr>
<tr>
<td>Scope 3: Downstream transportation and distribution</td>
<td>Annual process</td>
</tr>
</tbody>
</table>

**Page/section reference**

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

---

**Page/section reference**

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

---

**Page/section reference**

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

---

**Page/section reference**

Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins' operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100
Apex Companies, LLC (Apex) conducted an independent verification of global greenhouse gas (GHG) emissions from sources within Cummins’ operational control. Limited assurance was provided on the basis of the ISO 14064-3 reference standard and criteria from the World Resources Institute (WRI) and World Business Council for Sustainable Development (WBCSD). Scope 3 emissions data is presented on pages 1 and 2 of the assurance statement.

### Relevant standard
ISO14064-3

### Proportion of reported emissions verified (%)
100

#### Scope 3 category
Scope 3: Downstream leased assets

#### Verification or assurance cycle in place
Annual process

#### Status in the current reporting year
Complete

#### Type of verification or assurance
Limited assurance

---

### Relevant standard
ISO14064-3

### Proportion of reported emissions verified (%)
100

#### Scope 3 category
Scope 3: Investments

#### Verification or assurance cycle in place
Annual process

#### Status in the current reporting year
Complete

#### Type of verification or assurance
Limited assurance

---

### C10.2

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

---

### C10.2a

---
<table>
<thead>
<tr>
<th>Disclosure module verification relates to</th>
<th>Data verified</th>
<th>Verification standard</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>C9 Additional metrics</td>
<td>Other, please specify (Waste Recycling Rate)</td>
<td>Limited assurance was provided on the basis of the International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015), issued by the International Auditing and Assurance Standards Board.</td>
<td>Apex Companies, LLC (Apex) conducted an independent verification of waste data reported for facilities within Cummins' operational control. The determination and fair presentation of the waste quantities was the responsibility of Cummins. Apex's sole responsibility was to independently verify the accuracy of the waste quantities reported and the underlying systems and processes used to collect, analyze and review the information. Cummins 2020 Waste Verification Statement.pdf</td>
</tr>
</tbody>
</table>

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?

Yes

C11.3a

(C11.3a) Provide details of how your organization uses an internal price on carbon.

Objective for implementing an internal carbon price
- Change internal behavior
- Drive energy efficiency
- Drive low-carbon investment

GHG Scope
- Scope 1
- Scope 2

Application
The internal carbon price is built into the Cummins financial analysis tool, which is mandatory for all energy and GHG emission projects at both the corporate and business unit level.

Actual price(s) used (Currency /metric ton)
7

Variance of price(s) used
The Cummins carbon price is applied for all projects, except where local carbon taxes exceed the corporate price; in these cases, the local price is applied.

Type of internal carbon price
- Shadow price

Impact & implication
The internal carbon price is built into the Cummins financial analysis tool, which is mandatory for all energy and GHG emission projects.

C12. Engagement

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

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

<table>
<thead>
<tr>
<th>Type of engagement</th>
<th>Compliance &amp; onboarding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Details of engagement</td>
<td>Included climate change in supplier selection / management mechanism</td>
</tr>
<tr>
<td>Climate change is integrated into supplier evaluation processes</td>
<td></td>
</tr>
<tr>
<td>% of suppliers by number</td>
<td>20</td>
</tr>
<tr>
<td>% total procurement spend (direct and indirect)</td>
<td>17</td>
</tr>
<tr>
<td>% of supplier-related Scope 3 emissions as reported in C6.5</td>
<td>1</td>
</tr>
</tbody>
</table>

**Rationale for the coverage of your engagement**
Supplier Selection - We re-bid on-average approximately 20% of total contracts each year and include in these bids our HSE requirements including sustainability requirements in the following areas: a. Ethics / Treatment of Workers / Conflicts of Interest / Intellectual Property Protection b. Safe / Healthy workspaces c. Protection of the Environment - meet local regulations, minimize environmental impact and drive continual improvement, and suppliers must maintain documentation showing emissions, compliance, environmental risks and environmental sustainability metrics. Additional procedures are in place to manage environmental emergencies. d. Conserving natural resources - suppliers must maintain documentation showing resource consumption. Integration in Supplier Evaluation Processes: After award of a contract, our standard agreements confirm the supplier's intention to follow these principles. Our top, strategic suppliers are scored a total of 8 out of 100 points for their progress in achieving environmental impact improvements in their operations.

**Impact of engagement, including measures of success**
The measure of success is that 100% of work/services bid each year consider HSE/Diversity/Sustainability capability and performance of the supplier as part of a balanced overall selection process. Requiring suppliers to submit information on their environmental management certifications, accomplishments and programs sends a clear message that sustainability principles are important to Cummins. We are currently updating our internal purchasing processes in 2020 to ensure these criteria cover all sourcing activity. Additionally, after selecting suppliers, we conduct an annual scorecard exercise with our top 12-15 suppliers to rate suppliers across a range of criteria including Sustainability efforts. Their score affects their ability to maintain and win new business with Cummins.

**Comment**

<table>
<thead>
<tr>
<th>Type of engagement</th>
<th>Innovation &amp; collaboration (changing markets)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Details of engagement</td>
<td>Run a campaign to encourage innovation to reduce climate impacts on products and services</td>
</tr>
<tr>
<td>% of suppliers by number</td>
<td>1</td>
</tr>
<tr>
<td>% total procurement spend (direct and indirect)</td>
<td>1</td>
</tr>
<tr>
<td>% of supplier-related Scope 3 emissions as reported in C6.5</td>
<td>1</td>
</tr>
</tbody>
</table>

**Rationale for the coverage of your engagement**
In 2019-2020 we expanded our Environmental Gateway program in Purchasing which allows innovative suppliers to pitch their ideas to Cummins management in a SharkTank format. This helps us achieve our environmental goals, mainly focused on facilities and operations and packaging, winners are presented by an internal/external judging panel including Sustainability experts with Indiana and Purdue University etc, The top 10 ideas are considered for trials at Cummins plants to confirm the viability / impact of the ideas/products/services, and successful ideas are promoted within Cummins for broader adoption. Four ideas from the recent Gateway are in final pilot stage.

**Impact of engagement, including measures of success**
The Gateway program opens the door for diverse and innovative suppliers to introduce new technologies to Cummins outside our existing supply base to ensure we remain open to cutting edge technologies and services that will help us achieve our environmental goals. To date, our UK Gateway program has trialed and implemented four successful supplier innovations from furniture recycling to more energy efficient hand dryers in restrooms as well as energy recovery technologies from our test operations. Our US program is in the late evaluation/pilot stage with at least two new technologies that have passed initial pilot goals including Building Clarity which uses artificial intelligence technology to assess broad building performance data to identify energy and water usage savings. At an analysis cost of $120,000, the resulting improvements involve a hybrid water filtration system to help us reach our water re-use goals at a major manufacturing plant. This success saves 15 million gallons of water annually from being deposited in the sewer from the plant saving $840,000 year in water cost.

**Comment**

| 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
0.05

% total procurement spend (direct and indirect)
22

% of supplier-related Scope 3 emissions as reported in C6.5
1

Rationale for the coverage of your engagement
1. We have an annual scorecard with our top 12-15 strategic suppliers representing $3B/year in spend with 8 points out of 100 for Sustainability plus diversity. The current metrics relate to CDP water disclosure and ISO14001 certification encouraging suppliers to have a sound environmental management system in place. Their points allow them to win and expand business with Cummins. 2. Future iterations of the scorecard will advance to reporting certain goals related to water, energy and waste reduction based on the suppliers opportunity levels based on type of operations they conduct.

Impact of engagement, including measures of success
The measure of success is for 80% of our suppliers to achieve all 8 points in the Sustainability category. Current achievement level is 50% of suppliers achieving these points. The ultimate impact is that suppliers are better fulfilling our expectations related to our Green Supply Chain Principles mentioned above in the Compliance section.

Comment

Type of engagement
Engagement & incentivization (changing supplier behavior)

Details of engagement
Run an engagement campaign to educate suppliers about climate change
Climate change performance is featured in supplier awards scheme

% of suppliers by number
100

% total procurement spend (direct and indirect)
100

% of supplier-related Scope 3 emissions as reported in C6.5
1

Rationale for the coverage of your engagement
1. Engagement campaign - a 2020 goal is to share environmental best practices with our entire supply base representing 32,000 suppliers and $14B in annual spend via our Supplier Portal at www.cummins.supplier.com. This best practices portal will share case studies of our 15 year journey in Environmental Sustainability including how we develop our own goals, how we have prioritized and developed funding options for capital projects that have helped us improve our environmental footprint including water usage and recycling improvements, energy reduction in manufacturing plants, LED lighting and solar array campaigns, PPA wind farm agreements/programs, and many facility-related improvements including improved design features for new buildings and facilities. We will share highlights of the environmental benefits, costs and savings achieved in these projects. We will also seek and share best practices from key suppliers who are willing to also share their best practices. a. We will provide periodic push communications to suppliers to encourage their use of the this database b. We will periodically highlight special project case studies via emails to suppliers with a Sustainability theme. c. Finally, for suppliers who want more information, we plan to connect them with subject matter experts that can answer questions on specific case study projects 2. Awards - Cummins conducts annual regional Supplier Conferences and includes awards in various categories. One category we have been awarding is for Outstanding Sustainability Achievements since 2017. While these conferences have been cancelled for 2020 and 2021, we expect to resume them for 2022.

Impact of engagement, including measures of success
The impact will be to encourage our suppliers to raise the priority of their own sustainability efforts as well as send a clear message to our supply base that environmental sustainability is a priority for Cummins and our expectations are high for our suppliers. Measure of success will be broad feedback and success stories from our suppliers based on the learning and encouragement they receive from our shared information.

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

**Type of engagement**
Collaboration & innovation

**Details of engagement**
Run a campaign to encourage innovation to reduce climate change impacts

**% of customers by number**
20

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

**Portfolio coverage (total or outstanding)**
<Not Applicable>

**Please explain the rationale for selecting this group of customers and scope of engagement**
Greenhouse gas (GHG) emissions from Cummins products in use are the company’s largest environmental impact and represent an estimated 99 percent of Cummins’ GHG footprint due to fossil fuel use. Cummins’ biggest opportunity to expand its product stewardship beyond the upfront design of its products is in working with customers to improve the efficiency of the company’s products in use. One of Cummins’ sustainability plan goals is to partner with its customers to improve the fuel efficiency of the company’s products in use, and by extension reduce carbon dioxide (CO2).

**Impact of engagement, including measures of success**
Cummins fuel teams throughout the world implemented many new products in use projects in 2019, bringing the total number of initiatives with customers since 2014 to close to 650. The company surpassed its 2020 goal of achieving an annual run rate reduction of 3.5 million metric tons of CO2. The 2020 rate was 4.9 million metric tons. Performance in 2020 built on global momentum, with the launching of new initiatives, better fuel economy improvements and an increase in Distribution segment projects. Global fuel economy teams have been building functional capability via fuel economy forums, training and tools. In exceeding this goal, the company has but to cut CO2 emissions by 21.7 million metric tons, saving customers up to $7 billion through greater fuel efficiency, by the end of 2020. By 2020, Cummins expects to work with 20 percent of its customer base, touching nearly 2 million engines as it tailors engine specifications to customer applications. The company wants to ensure customers have the latest tools to improve fuel efficiency.

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

Cummins believes in partnering with others to achieve innovation in its products. We partner with many academic institutions, nongovernmental organization and government entities on new product technology and policy advocacy. Some current examples of partnership with the U.S. Department of Energy are 1) the SuperTruck II program with Peterbilt and Eaton to demonstrate advanced engine, drivetrain, and vehicle technologies for Class 8 line-haul trucks and 2) an advanced platooning project (in conjunction with National Renewable Energy Laboratory, Michelen and Clemson University) to assess real-world fuel savings potential and actively address barriers to widespread market acceptance of platooning.

(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) On what issues have you been engaging directly with policy makers?

<table>
<thead>
<tr>
<th>Focus of legislation</th>
<th>Corporate position</th>
<th>Details of engagement</th>
<th>Proposed legislative solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other, please specify (Climate change)</td>
<td>Support</td>
<td>Cummins executives have testified in front of the House Select Committee on Climate Crisis and the House Energy and Commerce Environment and Climate Change Subcommittee on how comprehensive climate change policy can drive cleaner solutions for the segments in which Cummins products operate.</td>
<td>Tax policy to promote alternative fuel powertrains and infrastructure; significant investment in alternative fuel corridors; significant funding for DOE’s Office of Energy Efficiency and Renewable Energy</td>
</tr>
<tr>
<td>Other, please specify (Air quality)</td>
<td>Support</td>
<td>Cummins has worked with EPA and industry to provide feedback in EPA’s Cleaner Trucks Initiative Advanced Notice of Proposed Rulemaking to lower the NOx standard for HD On Highway Engines</td>
<td>EPA national rulemaking under Clean Air Act Authority.</td>
</tr>
<tr>
<td>Energy efficiency</td>
<td>Support</td>
<td>Cummins is a member of Department of Energy Better Buildings, Better Plants Program and is active in various industrial energy efficiency groups, both sector specific and general at national and regional levels.</td>
<td>We promote and model industrial energy efficiency practices and are active with several government programs for energy efficiency.</td>
</tr>
<tr>
<td>Energy efficiency</td>
<td>Support</td>
<td>Cummins pledged support for a new Energy Management Campaign. This campaign is an effort of CEM and the International Partnership for Energy Efficiency Cooperation to spur international collaboration with a goal of 50,001 global certifications by 2020. Cummins achieved ISO 50001 certification at a total of 40 sites by 2020. These 40 sites represent 90 percent of Cummins’ energy footprint.</td>
<td>This campaign is an effort of CEM and the International Partnership for Energy Efficiency Cooperation to spur international collaboration with a goal of 50,001 global certifications by 2020.</td>
</tr>
</tbody>
</table>
(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

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

<table>
<thead>
<tr>
<th>Trade association</th>
<th>Is your position on climate change consistent with theirs?</th>
<th>Please explain the trade association’s position</th>
<th>How have you influenced, or are you attempting to influence their position?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Energy Economy</td>
<td>Consistent</td>
<td>AEE is an organization of businesses using policy advocacy, analysis, and education to bring about a prosperous economy based on secure, clean, affordable energy.</td>
<td>We are in agreement with their position.</td>
</tr>
<tr>
<td>China Internal Combustion Engine Industry Association</td>
<td>Mixed</td>
<td>Without comprehensive national climate change legislation, the Company cannot determine the association’s position at this time. The association supports national efforts to reduce fuel consumption.</td>
<td>Cummins has worked within CICEIA on fuel consumption activities, NS VI emission standard readiness and how to ensure industry-wide compliance in China.</td>
</tr>
<tr>
<td>Confederation of Indian Industry</td>
<td>Consistent</td>
<td>The trade association supports international cooperation on climate change with nationally-determined pledges. Without comprehensive national climate change legislation, the Company cannot determine this group's position at this time.</td>
<td>Cummins works actively within the Confederation of Indian Industry (CII) to build consensus about the business value of addressing climate change and to advocate for stricter emissions standards. The Company's Vice President and Chairman of Cummins India Limited chairs CII's Manufacturing Committee and the Vice President of Indian Government Relations serves on CII's National Committee on the Environment, both of which influence the association's position. CII advocates for the industry's viewpoint on climate change to the Indian Foreign Ministry and Ministry of Environment, Forest and Climate Change through direct lobbying opportunities such as the COP21 negotiations in Paris in 2015.</td>
</tr>
<tr>
<td>The Diesel Technology Forum</td>
<td>Consistent</td>
<td>Advanced and renewable diesel technologies can be an effective part of addressing climate change.</td>
<td>Cummins works actively in the DTF to encourage it to be supportive of fuel economy in vehicles and of energy efficiency programs in our sector</td>
</tr>
<tr>
<td>The Engine Manufacturers Association</td>
<td>Consistent</td>
<td>EMA supports effective rulemaking to promote the most advanced technologies, and significant funding to promote alternative fuel infrastructure, research, development and deployment.</td>
<td>Cummins works actively in the EMA to encourage it to be supportive of engine efficiency and of energy efficiency programs in our sector</td>
</tr>
<tr>
<td>The National Association of Manufacturers</td>
<td>Consistent</td>
<td>NAM supports the goals of the Paris Climate Agreement and supports a market based mechanism to internalize the social cost of carbon</td>
<td>NAM supports the goals of the Paris Climate Agreement and supports a market based mechanism to internalize the social cost of carbon</td>
</tr>
</tbody>
</table>

(CDP)
How have you influenced, or are you attempting to influence their position?
Cummins works actively in NAM to encourage it to be supportive of fuel economy in vehicles and of industrial energy efficiency programs in our sector. The company is encouraging the organization to work more collaboratively with the EPA. Cummins’ chief operating officer is on the board of directors.

Trade association
U.S. Chamber of Commerce

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association’s position
The Chamber of Commerce supports the goals and US participation in the Paris Climate Agreement.

How have you influenced, or are you attempting to influence their position?
Cummins works actively with the US Chamber to encourage them to be supportive of policies that address climate change.

Trade association
The American Trucking Association

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association’s position
Cummins works with ATA to encourage regulatory and legislative programs to reduce CO2 and NOx emissions from trucks.

How have you influenced, or are you attempting to influence their position?
Cummins works actively in the ATA to encourage it to be supportive of fuel economy in vehicles and of energy efficiency programs in our sector.

Trade association
The Business Roundtable

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association’s position
BRT supports the goals of the Paris Climate Agreement and supports a market based mechanism to internalize the social cost of carbon.

How have you influenced, or are you attempting to influence their position?
Cummins has been a voice for climate change action in the BRT for more than a decade.

Trade association
The Hydrogen Council, the US Fuel Cell Hydrogen Energy Association, the California Hydrogen Business Council and Hydrogen Europe

Is your position on climate change consistent with theirs?
Consistent

Please explain the trade association’s position
The Hydrogen Council and regional Hydrogen and Fuel Cell Associations support policies globally that encourage adoption of clean hydrogen and fuel cell technology to address climate change.

How have you influenced, or are you attempting to influence their position?
Cummins is an active participant in the Hydrogen Council, with Cummins’ CEO serving on the Board, and regional associations promoting policies that encourage clean hydrogen and fuel cell technology adoption to address climate change.
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?

The Company has several groups and processes in place to ensure that our advocacy is consistent with our environmental and climate strategies. A Cummins team called Technical & Environmental Strategic Planning exists to analyze major environmental strategic opportunities and risks that affect the company globally; direct work with internal and external stakeholders to shape stances and positions on environmental affairs that impact Cummins; and coordinate efforts across complex environmental issues to ensure consistency and adherence to our environmental and climate strategies across all activities including public policy advocacy. This team uses robust processes and guiding principles to direct Cummins’ environmental policy actions. Whether the policy we are influencing is a regulation that focuses on reducing criteria pollutants, greenhouse gas emissions (GHG) or improving fuel efficiency, Cummins’ policy principles ensure that we always advocate for tough, clear, and enforceable policy. These principles and our environmental mission apply to all direct and indirect activities including external relations, partnerships, and advocacy.

In addition to our environmental policy principles and processes, the Action Committee for Environmental Sustainability (ACES) shapes the activities and goal-setting of the stakeholder areas for product in use and in design, facilities and operations, internal supply chain (logistics and packaging), employee engagement and communications and marketing. Through processes such as monthly meetings, goal tracking, and disclosure, ACES ensures that the 10 environmental sustainability principles listed below are used to develop and adhere to Cummins’ climate strategy, whether internal Company actions or external engagement.

The Company has 10 environmental sustainability principles - with the last four focusing on policy:
- Develop clean, efficient products
- Grow and develop new businesses
- Develop environmentally sustainable supply chains
- Make work spaces green spaces.
- Harness the energy of employees
- Engage in the community
- Help develop responsible regulations.
- Promote technology development.
- Advocate for incentives to accelerate progress
- Support a balanced global approach.

(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 voluntary sustainability report

Status
Complete

Attach the document
2020-21_cummins_sustainability_report.pdf

Page/Section reference
pages 17-30, 59-62

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

Comment
Publication
In mainstream reports, incorporating the TCFD recommendations

Status
Complete

Attach the document

Page/Section reference
all pages

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

Comment
Cummins published this first TCFD report in May 2021.
Publication
In voluntary communications

Status
Underway – previous year attached

Attach the document
2019 Cummins SASB report 862020 FINAL.pdf

Page/Section reference
Cummins published its first SASB report in September of 2020. It will update data and information during the fall of 2021.

Content elements
Emissions figures
Emission targets
Other metrics

Comment

Publication
In other regulatory filings

Status
Complete

Attach the document
2020 Cummins 10-K.pdf

Page/Section reference
pages 11-13, 22

Content elements
Governance
Risks & opportunities
Other metrics

Comment

Publication
In other regulatory filings

Status
Complete

Attach the document
2021 Proxy Statement.pdf

Page/Section reference
page 10

Content elements
Other metrics

Comment

Publication
In mainstream reports

Status
Underway – previous year attached

Attach the document
SPR2020 2019 GRI Content Index and Data Report 8132020.pdf

Page/Section reference
pages 27-46

Content elements
Emissions figures
Emission targets
Other metrics

Comment
Cummins will update its GRI content index and Data Book in August 2021.

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.
C15.1

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

<table>
<thead>
<tr>
<th>Job title</th>
<th>Corresponding job category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Administrative Officer</td>
<td>Other C-Suite Officer</td>
</tr>
</tbody>
</table>

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

<table>
<thead>
<tr>
<th>I am submitting to</th>
<th>Public or Non-Public Submission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investors</td>
<td>Public</td>
</tr>
<tr>
<td>Customers</td>
<td></td>
</tr>
</tbody>
</table>

Please confirm below
I have read and accept the applicable Terms