

C0. Introduction

C0.1

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

Autodesk is a leader in 3D design, engineering, and entertainment software. Customers across the manufacturing, architecture, building, construction, and media and entertainment industries use Autodesk software to design, visualize, and simulate their ideas. Since its introduction of AutoCAD® software in 1982, Autodesk continues to develop the broadest portfolio of state-of-the-art software for global markets.

Autodesk’s vision is to help millions of architects, designers, and engineers worldwide radically transform the built world by making sustainable design easy and accessible. We believe sustainability is largely a design issue verse an operating issue, and hence we are very focused on it. With 80 percent of a product’s environmental impact determined by decisions in the design phase, Autodesk has an important role to play.

Autodesk provides the tools to help make a better world. Whether Autodesk customers’ workflows involve Building Information Modeling in architecture and construction or Digital Prototyping in automotive and manufacturing, Autodesk software enables a faster, more efficient, more iterative design and make process. With the information found in a digital model, designers and engineers can more quickly and accurately conduct analysis on their designs and interpret results. From the earliest stages of design or renovation, this leads to better informed decisions for more efficient use of energy, water, materials, and land, whether designing a building, a utility network, an engine or a shoe.

Autodesk is also invested in advancing education and the clean technology industry. Autodesk, Inc. business groups provide direct funding for design and engineering programs and projects in their respective industries. For example, Autodesk Education supports qualifying students, teachers, and academic institutions worldwide with free access to Autodesk software and online learning opportunities. The Autodesk Technology Impact Program helps accelerate innovation by donating world-class software to early-stage startups, entrepreneurs, and nonprofits in the social, cleantech, and environmental sectors to design, visualize, and simulate a more sustainable world.

As a software company, the majority of Autodesk’s fiscal year 2020 greenhouse gas emissions occurred in its supply chain, followed by air travel and large events. Autodesk’s sales fleet, facilities, employee commute, data centers, and cloud made up the remainder of its emissions. Autodesk reduces its operational footprint through efficiency projects, education, digitalization, and employee engagement. In addition, Autodesk purchases 100 percent renewable electricity, and has met its greenhouse gas emission reduction target for the 11th year in a row.

We were incorporated in California in April 1982 and were reincorporated in Delaware in May 1994. Our principal executive office is located at 111 McInnis Parkway, San Rafael, California 94903.

C0.2

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

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	February 1 2019	January 31 2020	No	<Not Applicable>

C0.3

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

- Argentina
- Australia
- Brazil
- Canada
- China
- Czechia
- Denmark
- France
- Germany
- India
- Indonesia
- Ireland
- Israel
- Italy
- Japan
- Malaysia
- Mexico
- Netherlands
- Philippines
- Poland
- Qatar
- Republic of Korea
- Romania
- Russian Federation
- Saudi Arabia
- Singapore
- South Africa
- Spain
- Sweden
- Switzerland
- Taiwan, Greater China
- Thailand
- Turkey
- United Arab Emirates
- United Kingdom of Great Britain and Northern Ireland
- United States of America
- Viet Nam

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

C1. Governance

C1.1

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

Yes

C1.1a

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

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	Ultimately, our CEO, a member of Autodesk's Board of Directors (BoD), has the highest level of direct responsibility for addressing climate-change related risks and opportunities at the company, as climate-change related risks and opportunities are included within his overall risk management responsibility. Members of the Board of Directors are highly engaged on the topic of climate change and the role that Autodesk and our customers will play in imagining, designing, and making a better world. One example of a climate-related decision made by the CEO was to approve Autodesk's new sustainability commitment, to be net-zero carbon across our operational and value chain emissions (Scopes 1, 2, and 3) starting in FY2021.

C1.1b

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

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – some meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action	<Not Applicable>	Reviewing and guiding strategy are included in Board of Directors meeting agendas for some scheduled meetings. The CEO, also a member of the Board of Directors, reviews and guides the overall sustainability strategy and plans of action. The VP of Sustainability also reports on sustainability matters and major plans of action as they arise. This includes reporting progress against sustainability goals and targets which the Board monitors. At regular Board of Directors meetings, the Board of Directors is briefed on sustainability and ESG priorities, they participate in discussion, and their input is integrated into future strategy and direction.

C1.2

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

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
Other, please specify (Vice President, Sustainability & Foundation)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
Environment/ Sustainability manager	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually

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).

Ultimately, our CEO has the highest level of direct responsibility for addressing climate-change related risks and opportunities at the company, as climate-change related risks and opportunities are included within his overall risk management responsibility.

The CEO is informed by Autodesk’s Vice President, Sustainability, and President and CEO, Autodesk Foundation, who oversees climate related issues. This role reports to the Vice President of Brand & Impact, who reports to the Senior Vice President and Chief Marketing Officer, who reports directly to the CEO. The VP of Sustainability is responsible for setting and implementing the company’s corporate sustainability strategy and programs and for leading the Sustainability & Foundation Team, which is held accountable to CEO Staff.

The Sustainability & Foundation Team meets monthly with project teams from across the business, including in Workplaces & Travel, Finance, Legal, Sales, Marketing, IT, and each product group to develop and implement strategy to enable sustainable practices. These project teams report to and work alongside their respective Vice Presidents to formalize sustainability strategy. These efforts are facilitated by the Sustainability & Foundation Team, which reports quarterly to CEO Staff. The Board of Directors is updated on progress at a minimum annually and more as needed.

C1.3

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

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	

C1.3a

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

Entitled to incentive	Type of incentive	Activity incentivized	Comment
All employees	Monetary reward	Emissions reduction target	Autodesk's Sustainability & Foundation Team rewards employees across the company who make exceptional contributions related to climate change, help us meet our greenhouse gas (GHG) emissions reduction target, and help us differentiate with sustainability with customers. These individuals are awarded "Autobucks" and "Applause Points," spot cash or other non-monetary award and recognition on the company intranet.
All employees	Non-monetary reward	Other (please specify) (Climate education and awareness to customers and industry)	Employees have the potential to receive internal and external recognition for activities related to climate change, through participation in speaking events, being named in external publications and newsletters, being quoted in the press, appearing on Autodesk's intranet, etc.
Environment/Sustainability manager	Monetary reward	Emissions reduction project	Individual contributors and managers in the Sustainability & Foundation, Facilities, IT, Travel, and Events teams, with accountability for sustainability projects, receive variable pay contingent to some degree on meeting emissions reduction goals and other KPIs of their organization.
Other C-Suite Officer	Monetary reward	Emissions reduction target	The Chief Marketing Officer oversees and has accountability over the S&F team, and therefore can receive variable pay contingent to some degree on meeting emissions reduction goals and other KPIs of their organization.
Other, please specify (Sales Employees)	Monetary reward	Emissions reduction target	Sales teams can be awarded for closing deals with customers that connect use of our tools with quantified outcomes related to the UN Sustainable Development Goals, including supporting climate action targets.

C2. Risks and opportunities

C2.1

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

Yes

C2.1a

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

	From (years)	To (years)	Comment
Short-term	0	3	
Medium-term	3	5	
Long-term	5	10	Autodesk's time horizons are 0-3, 3-5, 5-7, and 7-10 years.

C2.1b

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

The Enterprise Risk Management (ERM) Program has partnered with our Strategic Foresight team to supplement the ERM Assessment which is conducted on a biennial basis. The Strategic Foresight team conducts an annual exercise with CEO Staff to explore external Forces of Change that Autodesk believes are of great importance and have the potential to significantly impact our customers and business over the next 10 years. The Forces of Change manifest as concrete and testable, industry-agnostic statements reflecting Social, Technological, Economic, Environmental, and Political (STEEP) domains and are the result of foresight research processes as well as engagement with a diverse range of domain experts and stakeholders across Autodesk. All forces (including environmental) are then reviewed and prioritized, and ERM Assessment turns them into ERM specific Strategic and Operational Risks. These risks are evaluated and prioritized by impact, likelihood, company readiness, and velocity to determine whether they hinder or create an opportunity for Autodesk's ability to compete effectively in the markets that we serve.

Determining relative significance: The process Autodesk leverages to determine the relative significance of climate-related risks in relation to other risks is the COSO ERM Framework 2017. Our enterprise risk analysis is presented to CEO Staff for prioritization, response, and assignment. CEO staff usually prioritize risks in order to inform decision-making on risk responses and optimize the allocation of resources. Once the risks are prioritized, action plans are created and reported to CEO Staff and Board of Directors at 6-month intervals.

Substantive impact: Autodesk follows ERM criteria which defines and provides examples and thresholds of risk impacts in the following criteria: Financial (e.g. loss of revenue or stock price drop), Operational (e.g. injuries, impairment of critical business functions) Reputational & Regulatory (e.g., legal and corrective actions, media attention). For CDP reporting purposes herein, we evaluate substantive financial impact in relation to our fiscal 2020 revenues of \$3.27 billion. We have identified 2% of revenue (\$65 million for FY2020) as the CDP reporting internal threshold for substantive impact on risks. A "substantive impact" is less than a material impact, and this threshold for substantive impact on risks is not necessarily a conclusive determination for any other purpose.

C2.2

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

Value chain stage(s) covered

Direct operations
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

Autodesk has an Enterprise Risk Management (ERM) program in place to identify and assess key risks, including those related to climate change, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. Full ERM assessments aligned with company strategy generally are conducted every other year, after the initiatives and goals of the company have been defined. Reporting to executive staff regarding status of risks and mitigation plans is provided every 6 months, with a Board of Directors (BOD) presentation once a year. The BOD has a fiduciary responsibility to understand the full range of risks and build executive confidence that risks are managed well. The BOD proposes strategy and alignment to business objectives when mitigating risks and assesses direction of the ERM Program. A risk working group has also been established consisting of compliance and operational risk leaders throughout the organization to meet on a bi-monthly basis, discuss existing and emerging risks, and provide inputs into the risks included in each enterprise risk assessment. Additional sources of information for identifying risks include Autodesk's internal strategic intent and initiative documents, business model descriptions, annual and quarterly reports, proxy and other externally disclosed risk factors, discussions with operational risk owners and with the Working Committee, networking, and external advisors/professional publications. Risks are considered more than six years into the future. Once the business context for risks have been established, the ERM program assesses the following to determine mitigation strategies: · Local, national & international environment · Key drivers and trends that influence objectives · Stakeholder values, perceptions & relationships · Social, cultural, legal, regulatory, technological, economic & competitive environment · Business objectives & strategic priorities · Internal stakeholders & culture · Capabilities – knowledge in human, technological, capital & systemic resources · Standards Asset level risk identification & assessment: Coordinators at Autodesk facilities continually identify, assess, manage, and communicate physical, regulatory, and resource scarcity risks at the site level, including those related to climate change. These may affect Autodesk's physical locations, such as the decision to close offices due to weather; the cost to operate (i.e. energy costs), and compliance with regional regulations, such as energy efficiency laws in Europe. These teams may escalate risks depending on the nature of the identified risk to the ERM Team as described above. Assessing risk size & scope: Autodesk's process for assessing the potential size and scope of identified risks is based on "COSO ERM Framework 2017- Integrating with Strategy & Performance." Risk evaluation uses the understanding of risk obtained by analyzing impact, vulnerability, likelihood, velocity, and risk interdependencies, and other factors to make decisions about future actions. Controls, mitigation, and ability to respond are also considered in assessing risks. At this stage, risks may be aggregated, adjusted or removed. Additionally, contractual, legal and regulatory requirements may be considered. Risk treatment plans may involve the redesign of existing controls, effectiveness capabilities and introduction of new controls or monitoring of existing controls. Determining relative significance: The process Autodesk leverages to determine the relative significance of climate-related risks in relation to other risks is the COSO ERM Framework 2017. Our enterprise risk analysis is presented to CEO Staff for prioritization, response, and assignment. CEO staff usually prioritize risks in order to inform decision-making on risk responses and optimize the allocation of resources. Once the risks are prioritized, action plans are created and reported to CEO Staff and Board of Directors at 6-month intervals. Risk terminologies: Autodesk's risk terminology used is from COSO ERM Framework 2017. Substantive impact: Autodesk follows ERM criteria which defines and provides examples and thresholds of risk impacts in the following criteria: Financial (e.g. loss of revenue or stock price drop), Operational (e.g. injuries, impairment of critical business functions) Reputational & Regulatory (e.g., legal and corrective actions, media attention). For CDP reporting purposes herein, we evaluate substantive financial impact in relation to our fiscal 2020 revenues of \$3.27 billion. We have identified 2% of revenue (\$65 million for FY2020) as the CDP reporting internal threshold for substantive impact on risks. A "substantive impact" is less than a material impact, and this threshold for substantive impact on risks is not necessarily a conclusive determination for any other purpose. Case study: In October 2019 Marin County in California was impacted by Public Safety Power Shutoffs for 3 days, impacting Autodesk's HQ campus in San Rafael at quarter end. Autodesk quickly invoked the Crisis Management and Business Continuity Plans to respond accordingly by: • Proactively messaging San Rafael and Bay Area employee population about status of event and impact and setting expectations for next steps • Invoking a second and third location for individuals to go to, if they were unable to work from home or needed support, as well as allocated space for critical business functions. • Monitoring and tracking employees that were impacted and evacuated out of their homes, to provide a duty of care (payroll, hardship, tracking and evacuations) In conclusion, Autodesk was able to close the quarter effectively, ensure our employees were safe and could continue to work from home, as well as sustaining continuity of operations.

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

Autodesk has Strategic Intent and Strategic Realization processes to facilitate companywide annual and long term planning Our Business Strategy and Marketing organization leads annual Strategic Intent and Strategic Realization processes to facilitate annual and long term planning for the company. The Strategic Intent process focuses on understanding our customer, market, and industry dynamics to determine our multi-year intent for our business, product development, and go to market strategies. Following Strategic Intent, our Strategic Realization processes focus on the strategies and tactics to realize progress toward the long-term intent in the following year. Throughout the Strategic Intent and Strategic Realization processes, Autodesk evaluates and considers general industry and planetary trends and shifts in market preferences, including issues related to climate change and sustainability, such as energy and materials, health and resilience, and prosperity and work. For example, in last year's fiscal year 2020 Strategic Intent, we found that over 50% of our customers have goals explicitly related to sustainability with many directly addressing climate change. As a result of this learning, we changed investment decisions to prioritize efforts to extend and better bring to market product features that support our customers to reduce greenhouse gas emissions from their energy use. As a result, we now have sales enablement programs to better equip our sales teams to talk to our customers about our products that will help them reduce their greenhouse gas emissions. In addition, to further build our reputation as a partner for our customers on these topics, we decided to increase our internal price on carbon and better demonstrate our own leadership on climate change.

C2.2a

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Current regulation risks and opportunities are included in the ERM Program, which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to compete effectively. For example, while they are not deemed a major risk, Autodesk is subject to various regulations such as energy efficiency mandates in the EU.
Emerging regulation	Relevant, always included	Emerging regulation risks and opportunities are included in the ERM Program, which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to compete effectively. For example, while it is not considered a major risk, potential for a carbon tax in the United States is considered.
Technology	Relevant, always included	Technology risks and opportunities are included in the ERM Program which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to compete effectively and deliver the most relevant products and services. Examples considered include new technology that could deliver insights to climate action, such as AI and machine learning, or the use of cloud providers to host products and applications, thus reducing the company's carbon footprint.
Legal	Relevant, always included	Legal risks and opportunities are included in the ERM Program which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to compete effectively. For example, environmental legal risks have been considered around how we manage our workspaces, and dispose of electronic waste and chemicals in our workshops.
Market	Relevant, always included	Market risks and opportunities are included in the ERM Program which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to compete effectively and deliver the most relevant products and services. An example being a new market trend such as changing demand for climate solutions and working with customers and non-profit organizations to enable building in a sustainable manner.
Reputation	Relevant, always included	Reputation risks and opportunities are included in the ERM Program which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. A risk assessment around reputation impact and likelihood has been conducted to determine areas of focus for building out impact specific plans. An example being a new market trend such as changing demand for climate solutions that could affect our reputation or monitoring sentiment for climate change activism.
Acute physical	Relevant, always included	Acute physical risks are included in our Enterprise Risk Management, Business Continuity and Physical Security Programs, and monitored on an ongoing basis by relevant teams. They are considered in case they can hinder Autodesk's ability to operate or compete effectively in a given region. An example being extreme weather, potentially forcing us to temporarily close an office due to a natural weather event such as a hurricane, earthquake, wildfire etc.
Chronic physical	Relevant, sometimes included	Chronic physical risks are included in the ERM Program which is in place to identify and assess key risks, in order to protect the company from a material impact that may impede achievement of strategic priorities, and to improve or create business resiliency and strategic advantage. These risks are identified, evaluated and prioritized to determine whether they help or hinder Autodesk's ability to operate or compete effectively in a given region. For example, the chronic physical risk of extreme weather, could manifest as drought and rising temperatures, which in turn could lead to increased cooling load and increased costs in data centers. Drought could potentially lead to water restrictions which could negatively impact center's water cooled systems and effect business operations. Opportunities are sought out on how to best engage the relevant industry experts on helping with design products that enable to solution chronic physical environmental risks.

C2.3

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

No

C2.3b

(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?

	Primary reason	Please explain
Row 1	Risks exist, but none with potential to have a substantive financial or strategic impact on business	The following teams continually track, assess, and respond to risks, relevant to their domain: Business Continuity, Workplaces & Travel, Sustainability & Foundation Team, Legal Compliance Group, and Government Affairs. These teams may escalate risks depending on the materiality, scope, and nature of the identified risk to the Enterprise Risk Management Team which is responsible for identifying and responding to risks of high significance and materiality to the business. Additionally, coordinators at Autodesk facilities continually identify, assess, manage, and communicate physical, regulatory, and resource scarcity risks at the site level. These may affect Autodesk's physical locations (weather), the cost to operate at those locations (energy), and compliance with regional regulations. As part of our enterprise risk management program company executives and other business leaders are interviewed on an annual basis to determine the company's largest business risks. While climate change has been considered in the company's risk assessment processes, it has not yet risen to the actionable level for the company's ongoing business activities and therefore is not considered substantive. As part of the Business Continuity Program, climate related table tops and simulation exercises are held with global crisis management teams to determine impacts on the business and key infrastructure. Autodesk reviewed climate change risks for all its office locations for the next five to ten years. These risks are not substantive because Autodesk leases 98% of its office locations and Autodesk determined energy costs to be less than 1% of revenue. This is under the threshold that Autodesk would consider to represent a substantive risk. As a result, regulation or taxation of energy or GHG emissions, or physical risks would not be substantive to the company. Exposure to incremental costs or potential physical impacts on assets associated with climate change events is low as Autodesk has flexibility in where operations reside. Use of LEED-certified buildings have significantly reduced the carbon footprints, and we expect this trend to continue in the future. Climate change risks do not meet Autodesk's materiality threshold at this time, but are considered important to the organization and are considered, reviewed, and discussed by the risk teams to determine impact in the future.

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 of new products or services through R&D and innovation

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Companies worldwide are being required to respond to regulations related to energy use and climate change. For example, the EU Building Performance Directive requires net-zero energy for all new buildings, and carbon neutrality for all new commercial buildings. EU countries also aim to decarbonize their national building stock by 2050. In the US, new and renovated federal buildings are mandated to achieve 55% fossil fuel reduction and be carbon neutral by 2030. New York and California have significantly strengthened building energy and emission standards. According to ACEEE, in 2019 Nevada, New Mexico, Washington, New York, and Maine passed 100% clean energy goals with plans to increase efficiency investment. In 2019 many states adopted new efficiency standards for products and equipment, and also adopted California's vehicle emissions standards. These and similar regulations are impacting architects and engineers by setting new energy requirements, encouraging resource efficiency (energy, water, and materials), and penalizing inefficiency. In addition, the adoption of building rating systems and their inclusion in governmental targets is driving market demand for sustainable design. Since Autodesk software can enable the design of more efficient buildings, infrastructure, products, and construction, increased regulations and standards could drive increased demand and sales of our software. Autodesk's vision is to help millions of architects, designers, and engineers worldwide radically transform the built world by making sustainable design easy and accessible. Whether Autodesk customers' workflows involve Building Information Modeling in architecture and construction or Digital Prototyping in automotive and manufacturing, Autodesk software enables a faster, more efficient, more iterative design and make process. With the information found in a digital model, designers and engineers can more quickly and accurately conduct analysis on their designs and interpret results. From the earliest stages of design or renovation, this leads to better informed decisions for more efficient use of energy, water, materials, and land, whether designing a building, a utility network, an engine or a shoe. With approximately 80% of a product's environmental impact determined by design phase decisions, Autodesk has an important role to play. Our sales teams work with our customers so they can fully leverage our sustainable design tools and maximize design efficiency.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

163720000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

We believe these opportunities to be significant and growing, due to the scale of the potential gains that customers can realize through the use of our products to help them comply with current and future regulations. Autodesk's revenues were \$3.27 billion in fiscal year 2020. If increased climate change regulation or impacts led to a 5% increase in demand for Autodesk's products, this would result in about \$163.72 million of additional annual revenue.

Cost to realize opportunity

6525000

Strategy to realize opportunity and explanation of cost calculation

One of our missions at Autodesk is to create automation to help people make more things, better, with less negative impact on the world. Our management method involves researching the needs of our customers and then developing and delivering modeling, simulation, analysis, and process management solutions that streamline and democratize sustainable design and making, including mitigating and adapting to the effects of climate change. These solutions combine software workflows with consulting services. Examples include our solutions for High Performance Building Design, Generative Design, and Smart and Sustainable Cities. As pressures to make greener and more resilient products and buildings increases, sales of these products may increase. To more fully capitalize on this opportunity, we educate our sales teams and customers about these solutions and run various initiatives that expand access to our software worldwide. Our Sustainability & Foundation team works closely with experts from product management, industry management, user experience, and sales to meet growing demands for tools that aid in sustainable design and making. While it is difficult to calculate the complete cost of integrating sustainability into our core products and go to market efforts, Autodesk invested an estimated 2.5 million USD in fiscal year 2020 toward our Win with Sustainability programs to advance customer sustainability and climate change outcomes through support of product development and sales and marketing enablement. Example: In 2019 Autodesk served as the lead sponsor of the Embodied Carbon in Construction Calculator (EC3), incubated at the Carbon Leadership Forum with input from nearly 50 industry partners. The embodied carbon of the materials used in buildings accounts for 11% of global GHG emissions each year. EC3 takes data from Environmental Product Declarations to align, assess, and present the embodied carbon impacts in a way that's easy to use and act upon during material specification and procurement. To help Autodesk customers reduce their embodied carbon impacts, we've enabled EC3's integration with BIM 360® (part of Autodesk Construction Cloud™) at no additional cost. This turns the 3D building model into an interactive embodied carbon heat map, enabling users to visualize the impacts of materials selection and make carbon-smart choices.

Comment

Identifier

Opp2

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Energy source

Primary climate-related opportunity driver

Use of lower-emission sources of energy

Primary potential financial impact

Reduced direct costs

Company-specific description

As Autodesk continues to demonstrate thought leadership on climate change issues, and as climate change increasingly becomes a concern, Autodesk purchases 100% of our electricity from renewable sources to cover our facilities and cloud footprints, as part of our RE100 commitment.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Unknown

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

98000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Autodesk spent approximately \$98,000 on renewable energy purchases in FY2020.

Cost to realize opportunity

98000

Strategy to realize opportunity and explanation of cost calculation

Autodesk will continue to meet its commitment to RE100 through purchasing renewable energy to cover our facilities and cloud footprints. Autodesk spends approximately \$98,000 on renewable energy purchases. This past year Autodesk produced and procured renewable energy and renewable energy credits in regions where we operate. Sources include solar, wind, hydropower, and biomass technologies to cover our load in the United States, China, India, Singapore, United Arab Emirates, the United Kingdom, and Israel. We also generate electricity from solar panels installed on our San Francisco Pier 9 location.

Comment

Autodesk spent approximately \$98,000 on renewable energy purchases in FY2020.

Identifier

Opp3

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Markets

Primary climate-related opportunity driver

Access to new markets

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Autodesk donates software to non-profits and early-stage entrepreneurs that are using design and engineering for environmental or social good. Through our Technology Impact Program, eligible organizations can access powerful software to drive greater positive impact in the world. The Autodesk Technology Impact Program originated with the establishment of our Cleantech Partner Program in 2009 but the program has evolved and expanded over time. Since 2015, Autodesk has donated \$150 million in software to non-profits and early stage social and environmental impact organizations. The program continues to grow in popularity and in fiscal year 2020, Autodesk donated close to \$40 million in product donations to 2,500 organizations. Program participants include internationally renowned non-governmental organizations (NGOs), leading non-profits, as well as smaller organizations. Participants in the program are using Autodesk software on projects from automating the construction of wind turbine foundations, to reducing greenhouse gas emissions from agricultural waste. By creating an on-ramp for organizations to gain exposure to Autodesk and adopt our tools, the Technology Impact Program has also contributed to successful pro bono consulting projects. These projects provide opportunities for Autodesk employees to use their skills in a new and impactful ways. Dr. Taryn Foster leads the Coral Maker team which is a collaboration between California Academy of Sciences and Autodesk. Coral Maker began after Foster's postdoctoral work studying coral led her to witness global mass coral bleaching -- a phenomenon that occurs when water is too warm, causing corals to expel the algae living in their tissues and turn completely white. The group aims to use coral science and manufacturing technology to produce one million live corals per year by automating the coral production process, more effectively restoring the ocean's declining coral population. Our goal for the future of the program is two-fold: to better support and analyze the collective impact of each of these organizations, and to help early stage commercial start-ups in the program grow their businesses and transition into paying customers. With our software in hand, Autodesk customers are empowered to design and make a healthier, more resilient, and more prosperous future for all.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium-high

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)

11000000

Potential financial impact figure – maximum (currency)

12000000

Explanation of financial impact figure

Approximate value of software donated to start-ups in fiscal year 2020, which upon completion of the Technology Impact Program could lead to full-paying customers with corresponding potential future revenue.

Cost to realize opportunity

126000

Strategy to realize opportunity and explanation of cost calculation

Cost of strategic direction & resource management, program operations lead, and application review & orders processing, as well as customer support. This reflects both startup and nonprofit program costs.

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

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

No, but we anticipate using qualitative and/or quantitative analysis in the next two years

C3.1c

(C3.1c) Why does your organization not use climate-related scenario analysis to inform its strategy?

We've informally considered various climate scenarios in past planning and these processes were sufficient for that time and level of prioritization. Last year, with support of our Chief Financial Officer, Autodesk formed a Sustainability & Finance working group that is developing more robust climate-related scenario analysis to inform strategy over the short and long term. We plan to apply this new scenario analysis and process within the next two years.

C3.1d

(C3.1d) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	Our customers are increasingly working to make net-zero energy buildings, reduce embodied carbon, reduce energy use and waste, improve materials efficiency, and develop smart and sustainable cities. Providing automation tools to support these objectives affordably and at scale is central to our sustainability efforts. Our strategy has been informed over the short term. Our Architecture, engineering, and construction (AEC) product suite and Autodesk Construction Cloud software, enables customers to design high-performance buildings, conduct energy analysis, reduce embodied carbon, plan for smart decommissioning and materials recovery, design infrastructure for resilience and adaptation to climate change, support lean production planning and execution, modularize design and maximize prefabrication, minimize scrap in fabrication, and increase precision to maximize built performance. In 2019, the strategic decision was made to update Autodesk® Revit® 2020.1 to include enhanced systems analysis workflows for mechanical, electrical, and plumbing (MEP) engineers. This update supports HVAC systems analysis enabling earlier, better, and more integrated collaboration between architects and engineers for better building energy performance. The manufacturing process itself also presents climate-related opportunities. Utilizing automation to integrate design and manufacturing processes plays an essential role and helps designers and engineers achieve productivity boosts and deliver more sustainable products. The Autodesk® Product Design & Manufacturing Collection and our cloud platform help customers improve materials efficiency, create lighter products, and reduce energy use and waste. In 2019 another strategic climate-related decision was made to enhance Autodesk® Fusion 360® software with generative design for 2.5-axis manufacturing, cost estimating, and manufacturing extensions to help accelerate design decisions and improve the quality of production processes, which ultimately leads to less material waste and scrap. We also train our sales team to help our customers Win with Sustainability. In 2019 we made the strategic climate-related decision to expand our team doing sales enablement for sustainability, to better equip our sales professionals with learning, tools, and incentives, in order to uncover sustainable design opportunities with our customers.
Supply chain and/or value chain	Yes	Since Autodesk's supply chain accounts for over one-third of its total greenhouse gas emissions, in 2019 we analyzed opportunities to better measure, manage, and reduce the climate-related impacts of our footprint. We assessed CDP's Supply Chain program and evaluated the potential scope and impact of joining this initiative. This effort would enable us to gather important information about our suppliers so that we can better understand our Scope 3 greenhouse gas footprint and our suppliers' commitments and performance on sustainability. At the beginning of 2020 we made the strategic decision to join CDP Supply Chain. Our strategy has been informed over the short term. Also in 2019 we worked to more precisely measure the impact of our growing cloud footprint, an area that we have committed to being carbon neutral. We made a strategic decision that was influenced by climate-related risks and opportunities to engage our cloud services providers and request energy consumption and greenhouse gas emission data, in order to more precisely quantify, reduce, and offset these emissions moving forward. Data provided will be included in our FY2021 footprint and onwards. Our strategy has been informed over the long term.
Investment in R&D	Yes	Climate-related risks and opportunities have influenced our R&D investment strategy, as showcased by our product & services sustainable design and make opportunity, and also through our strategic decisions in 2019 to invest in Factory OS and the strategic decision to be lead sponsor of the Embodied Carbon in Construction Calculator. Our strategy has been informed over the short and medium term. Factory OS: Autodesk is supporting Factory OS, a volumetric modular construction startup, to help address the affordable housing crisis in the San Francisco Bay Area and beyond. Factory_OS is revolutionizing home construction by building multifamily homes more affordably and sustainably in a massive off-site facility, while also creating jobs. This innovative approach has considerable potential to displace conventional construction practices for affordable multi-unit residential properties in U.S. urban centers. Autodesk expanded its relationship with Factory_OS with an investment in 2019 that supported the build-out of the Factory Floor Learning Center, a space dedicated to education and research on industrialized construction and changes needed in public policy to optimize its benefits. Embodied Carbon in Construction Calculator: The embodied carbon of the materials used in buildings—from resource extraction, refining, manufacturing, and logistics—accounts for 11% of global GHG emissions each year. To help customers reduce these impacts, during 2019 Autodesk served as a lead sponsor of the Embodied Carbon in Construction Calculator (EC3), incubated at the Carbon Leadership Forum with input from nearly 50 industry partners, including leading roles by C Change Labs and Skanska. EC3 takes data from Environmental Product Declarations to align, assess, and present embodied carbon impacts in a way that's easy to use and act upon during material specification and procurement. What would have taken days by experts can now be done in minutes by general practitioners. We've enabled EC3's integration with BIM 360® (part of Autodesk Construction Cloud™) at no additional cost. AEC professionals can transfer project material quantity data directly from BIM 360 to EC3 with the push of a button. This turns the 3D building model into an interactive embodied carbon heat map, enabling users to visualize the impacts of materials selection and make carbon-smart choices.
Operations	Yes	As we sell sustainability-oriented products, leading by example with sustainable operations to be a valuable partner to our customers is an important climate-related opportunity. In 2019, we decreased absolute greenhouse gas emissions by 43% over our 2009 baseline, achieving our science-based greenhouse gas emission reduction target. A strategic decision made in this area in 2019 that was influenced by the climate-related risks and opportunities is our new goal achieve net zero carbon emissions across our operational and value chain (Scopes 1, 2, and 3) annually, beginning 2020. Our strategy has been informed over the long term. In addition, we assess our facilities' environmental operating practices related to energy use and other impact areas and create customized sustainability improvement plans. We use our operations as test cases to help refine the functionality of our solutions, improve our environmental performance, and showcase how customers can use our solutions to meet their sustainability objectives. We also use 100% renewable energy for our facilities, data centers, and cloud services. We became an RE100 member in 2015 and achieved our 100% renewable goal in 2016, 4 years ahead of schedule.

C3.1e

(C3.1e) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Indirect costs Capital expenditures Capital allocation Acquisitions and divestments Access to capital Assets Liabilities	Revenues: The opportunities of development of new products or services through R&D and innovation, reputation improvement due to our climate change efforts could likely result in an increase in revenue. Risks and opportunities such as these are factored into our financial planning process via annual Strategic Intent and Strategic Realization processes and quarterly strategy reviews of our Sustainability & Foundation programs, provided by our VP of Sustainability to executive staff. While it is challenging to predict the impact of these opportunities, we expect the magnitude of the impacts on revenues to be medium. The time horizons of this include short, medium, and long term. Operating costs (direct and indirect): Operating costs risks and opportunities that are climate-related are factored into our financial planning process via annual Strategic Intent and Strategic Realization processes and quarterly strategy reviews of our Sustainability & Foundation programs, provided by our VP of Sustainability to executive staff. We use an internal price on carbon to incentivize reduction of our energy consumption and purchase clean energy sources for our facilities, data centers, and cloud. Clean energy purchases amounted to \$98,000 last year, which represents a very low magnitude of impact on overall operating costs. The time horizons of this include short, medium, and long term. Capital expenditures / capital allocation: From our Enterprise Risk Management biennial assessment, climate change was not identified as a priority risk, nor is it expected to become one soon. Thus, climate related impacts have not influenced the financial planning process for capital expenditures / capital allocation. Acquisitions and divestments: From our Enterprise Risk Management biennial assessment, climate change was not identified as a priority risk, nor is it expected to become one soon. Thus, climate related impacts have not influenced the financial planning process for acquisitions and divestments. Access to capital: Access to capital risks and opportunities that are climate-related are factored into our financial planning process via annual Strategic Intent and Strategic Realization processes and quarterly strategy reviews of our Sustainability & Foundation programs, provided by our VP of Sustainability to executive staff. One example is that we include climate change information in our 10-K annual report and engage with investors to stay in front of the growing demand from the ESG and impact investor community for transparency. The magnitude of climate-related impacts on access to capital is expected to be relatively low at this time. The time horizons of this include short, medium, and long term. Assets: Assets risk and opportunities that are climate-related are factored into our financial planning process via annual Strategic Intent and Strategic Realization processes and quarterly strategy reviews of our Sustainability & Foundation programs, provided by our VP of Sustainability to executive staff. At present time, we do not believe there are any climate-related impacts on assets, but this could change depending on future clean energy procurement strategies, although the overall impact is likely to be very minimal when compared to our entire asset portfolio. Liabilities: From our Enterprise Risk Management biennial assessment, climate change was not identified as a priority risk, nor is it expected to become one soon. Thus, climate related impacts have not influenced the financial planning process for liabilities.

C3.1f

(C3.1f) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

N/A

C4. Targets and performance

C4.1

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

Both absolute and intensity targets

C4.1a

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

Target reference number

Abs 1

Year target was set

2009

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

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

Base year

2009

Covered emissions in base year (metric tons CO2e)

301435

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

100

Target year

2020

Targeted reduction from base year (%)

43

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

171817.95

Covered emissions in reporting year (metric tons CO2e)

171817.95

% of target achieved [auto-calculated]

100

Target status in reporting year

Achieved

Is this a science-based target?

Yes, this target has been approved as science-based by the Science-Based Targets initiative

Please explain (including target coverage)

This target represents our annual absolute target for fiscal year 2020 as part of Autodesk's commitment to the trajectory of ANNUAL TARGETS set by our science based target methodology, the Corporate-Finance Approach to Climate-stabilizing Targets (C-FACT), through fiscal year 2020. The annual absolute target for this year was a further 3% reduction from the target for the prior year and is derived from the intensity target. A new annual target is derived each year, which translates to 43% in fiscal year 2020 and an estimated 43% absolute reduction by fiscal year 2020. For more information, please see SBTi's C-FACT webpage. Autodesk has developed an approach that corporations can follow in setting targets to reduce GHG emissions. The approach calls for companies to reduce GHG emissions in line with global scientific and policy climate stabilization targets, and in proportion to companies' relative contribution to the economy, measured by gross domestic product (GDP). Autodesk has made this approach open source so that other companies can adopt and build upon it and it has been adopted by the SBTi. Please note Autodesk's 2020 fiscal year ran from February 1, 2019 through January 31, 2020.

Target reference number

Abs 2

Year target was set

2009

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

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

Base year

2009

Covered emissions in base year (metric tons CO2e)

301435

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

100

Target year

2050

Targeted reduction from base year (%)

85

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

45215.25

Covered emissions in reporting year (metric tons CO2e)

171817.95

% of target achieved [auto-calculated]

50.5882352941176

Target status in reporting year

Underway

Is this a science-based target?

Yes, this target has been approved as science-based by the Science-Based Targets initiative

Please explain (including target coverage)

This target represents our overall goal for fiscal year 2050 as part of Autodesk's commitment to the trajectory of ANNUAL TARGETS set by our science based target methodology, the Corporate-Finance Approach to Climate-stabilizing Targets (C-FACT), through fiscal year 2020. The annual absolute target for this year was a further 3% reduction from the target for the prior year and is derived from the intensity target. A new annual target is derived each year, which translates to 43% in fiscal year 2020 and an estimated 43% absolute reduction by fiscal year 2020. For more information, please see SBTi's C-FACT webpage. Autodesk has developed an approach that corporations can follow in setting targets to reduce GHG emissions. The approach calls for companies to reduce GHG emissions in line with global scientific and policy climate stabilization targets, and in proportion to companies' relative contribution to the economy, measured by gross domestic product (GDP). Autodesk has made this approach open source so that other companies can adopt and build upon it and it has been adopted by the SBTi.

C4.1b

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

Target reference number

Int 1

Year target was set

2008

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

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

Intensity metric

Metric tons CO2e per USD(\$) value-added

Base year

2008

Intensity figure in base year (metric tons CO2e per unit of activity)

9.12

% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure

100

Target year

2020

Targeted reduction from base year (%)

43

Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]

5.1984

% change anticipated in absolute Scope 1+2 emissions

43

% change anticipated in absolute Scope 3 emissions

43

Intensity figure in reporting year (metric tons CO2e per unit of activity)

4.700226559

% of target achieved [auto-calculated]

112.703321118931

Target status in reporting year

Achieved

Is this a science-based target?

Yes, this target has been approved as science-based by the Science Based Targets initiative

Please explain (including target coverage)

This target represents our goal for 2020 as part of Autodesk's commitment to the trajectory of annual targets set by our science based target methodology, the Corporate-Finance Approach to Climate-stabilizing Targets (C-FACT), through 2020. The annual absolute target for this year was a further 3% reduction from the target for the prior year and is derived from the intensity target. A new annual target is derived each year, which translates to an estimated 43% absolute reduction by fiscal year 2020. For more information, please see SBTi's C-FACT webpage. Autodesk has developed an approach that corporations can follow in setting targets to reduce GHG emissions. The approach calls for companies to reduce GHG emissions in line with global scientific and policy climate stabilization targets, and in proportion to companies' relative contribution to the economy, measured by gross domestic product (GDP). Autodesk has made this approach open source so that other companies can adopt and build upon it and it has been adopted by the SBTi.

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

Other climate-related target(s)

C4.2a

(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

2015

Target coverage

Company-wide

Target type: absolute or intensity

Absolute

Target type: energy carrier

Electricity

Target type: activity

Consumption

Target type: energy source

Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)

Please select

Target denominator (intensity targets only)

<Not Applicable>

Base year

2015

Figure or percentage in base year

40

Target year

2020

Figure or percentage in target year

100

Figure or percentage in reporting year

100

% of target achieved [auto-calculated]

100

Target status in reporting year

Achieved

Is this target part of an emissions target?

Is this target part of an overarching initiative?

RE100

Please explain (including target coverage)

In 2015 we joined the RE100 initiative and set a company-wide target to achieve 100% renewable electricity consumption within 5 years, from a base year of 40% renewable electricity consumption. By the reporting year, we had achieved 100% renewable electricity consumption. This target is part of our absolute Scope 1+2 emissions reduction target Abs 1 and Abs 2.

C4.2b

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

C4.3

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

Yes

C4.3a

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

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	0	0
To be implemented*	2	10722
Implementation commenced*	1	1300
Implemented*	1	3.47
Not to be implemented	0	0

C4.3b

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

Initiative category & Initiative type

Energy efficiency in buildings	Lighting
--------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

3.47

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

700

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

2800

Payback period

4-10 years

Estimated lifetime of the initiative

3-5 years

Comment

This initiative included replacing T8 fluorescent lighting with LED lighting in the Bay Area, California office locations.

Initiative category & Initiative type

Transportation	Company fleet vehicle replacement
----------------	-----------------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

1300

Scope(s)

Scope 1

Voluntary/Mandatory

Voluntary

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

23660

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

0

Payback period

<1 year

Estimated lifetime of the initiative

3-5 years

Comment

This initiative includes removing all diesel vehicles located within the EMEA fleet.

Initiative category & Initiative type

Company policy or behavioral change	Supplier engagement
-------------------------------------	---------------------

Estimated annual CO2e savings (metric tonnes CO2e)

1722

Scope(s)

Scope 3

Voluntary/Mandatory

Voluntary

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

17218

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

81000

Payback period

4-10 years

Estimated lifetime of the initiative

3-5 years

Comment

This initiative includes engaging suppliers to disclose emissions and set targets through the CDP Supply Chain Program. In FY21, we will request 77 key suppliers complete the CDP Supply Chain questionnaire, and estimate 1,722 tons metric tonnes annual savings from this engagement.

Initiative category & Initiative type

Company policy or behavioral change	Supplier engagement
-------------------------------------	---------------------

Estimated annual CO2e savings (metric tonnes CO2e)

9000

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

90000

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

0

Payback period

<1 year

Estimated lifetime of the initiative

>30 years

Comment

We have engaged our cloud service providers to share our actual energy and carbon consumption data for our cloud usage. This actual data will replace estimated economic input-output analysis data. The estimated annual CO2 savings were calculated by assuming a 90% reduction to our cloud emissions, which were approximately 10,000 MT in FY20.

C4.3c

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

Method	Comment
Employee engagement	Employee education and outreach is an important part of Autodesk's efforts to inspire employees to use virtual collaboration tools instead of traveling.
Financial optimization calculations	Applying financial calculations helps us optimize our project portfolio to select sustainability projects that make the most financial sense.
Internal price on carbon	We use an internal price on carbon to fund emission reduction projects and manage our emissions. This helps us to determine in how to implement initiatives.

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

Company-wide

Description of product/Group of products

Autodesk is designing software, developing partnerships, and offering education that help companies and others address climate change through better design. We make sustainable design more accessible through learning materials and programs, such as the Autodesk Knowledge Network. We combine software workflows with consulting services to deliver modeling, simulation, analysis, and process management solutions that streamline and democratize sustainable design. These solutions enable informed decisions throughout an asset's lifecycle, empower more people and organizations to incorporate environmental considerations without expensive subject matter experts, and optimize materials choices and the energy and water footprint of products, assets, and processes. Further, these solutions leverage Autodesk's cloud services, delivering complex automation, data, and insights faster, more efficiently, and using renewable energy instead of requiring the customer to have energy intensive computing on-premise. We focus on the major economic sectors with the largest environmental impact: buildings, infrastructure, and manufacturing.

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

Low-carbon product and avoided emissions

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

Evaluating the carbon-reducing impacts of ICT

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

93

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

We calculated our % revenue based on our product families for buildings, infrastructure, and manufacturing, which contain sustainable design features. Fiscal year 2020 net revenue from AEC, AutoCAD and AutoCAD LT, MFG product families totaled \$3.0514 billion, or 93% of total fiscal year 2020 net revenue.

C5. Emissions methodology

C5.1

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

Scope 1

Base year start

February 1 2008

Base year end

January 31 2009

Base year emissions (metric tons CO2e)

4251

Comment

This base year is also the base year for our current emissions intensity reduction target.

Scope 2 (location-based)

Base year start

February 1 2008

Base year end

January 31 2009

Base year emissions (metric tons CO2e)

18066

Comment

This base year is also the base year for our current emissions intensity reduction target. Our market-based emissions are the same as our location-based emissions for our base year.

Scope 2 (market-based)

Base year start

February 1 2008

Base year end

January 31 2009

Base year emissions (metric tons CO2e)

18066

Comment

This base year is also the base year for our current emissions intensity reduction target.

C5.2

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

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

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

3190

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

C6.2

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

Row 1

Scope 2, location-based

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We are reporting a Scope 2, market-based figure

Comment

C6.3

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

Reporting year

Scope 2, location-based

10989

Scope 2, market-based (if applicable)

101

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

C6.4

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

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

104507

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. We calculate emissions of purchased goods and services that are particularly material to the company's footprint or relevant to our core business, our customers, or our employees. A combination of spend data and economic input-output (IO) tables from Carnegie Mellon Economic Input-Output Life-Cycle Assessment (EIO-LCA) are used to estimate emissions. We recognize that using IO factors as part of emissions reductions measurement may be less accurate than other techniques that use vendor-specific data. However, this practical approach provides an important step towards a more complete understanding of the indirect emissions associated with our business operations. In the spirit of increasing transparency, we are including these emissions in our Scope 3 inventory with a goal of continuing to improve the accuracy of supply chain-related emissions reported in the future. We also calculate and report the emissions associated with the overhead electricity of our purchased colocation data services using primary data of PUE from the data center providers and relevant grid electricity emission factors.

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

0

Please explain

In 2019 Autodesk analyzed our supply chain in order to inform our decision to join CDP Supply Chain in 2020. Thus, no emissions were calculated using data obtained from suppliers or value chain partners this past year. For the One Team Conference and Autodesk University Las Vegas Conference electricity, natural gas, and waste data was collected from the conference venues. The total emissions from this collected data was 414 metric tonnes of CO2e.

Capital goods

Evaluation status

Relevant, calculated

Metric tonnes CO2e

25328

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. To calculate emissions of capital goods, a combination of spend data and economic input-output (IO) tables from Carnegie Mellon Economic Input-Output Life-Cycle Assessment (EIO-LCA) are used to estimate emissions. We recognize that using IO factors as part of emissions reductions measurement may be less accurate than other techniques that use vendor-specific data. However, this practical approach provides an important step towards a more complete understanding of the indirect emissions associated with our business operations. In the spirit of increasing transparency, we are including these emissions in our Scope 3 inventory with a goal of continuing to improve the accuracy of supply chain-related emissions reported in the future.

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

0

Please explain

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

Evaluation status

Relevant, calculated

Metric tonnes CO2e

4327

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. To calculate emissions of Fuel-and-energy-related activities (not included in Scope 1 or 2), Autodesk uses data supplied from our suppliers, and factors provided by IEA and DEFRA. The activity data used to calculate these emissions were the quantity of energy consumed for each energy type, such as electricity or natural gas. Consumption by fuel type was multiplied by the relevant emission factor for each of the fuel types used by Autodesk. Electricity consumption by country were multiplied by their country-specific emission factors to account for upstream emissions and transmission and distribution losses. Emissions were calculated using factors from 2019 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting and IEA 2019 CO2 Emissions From Fuel Combustion Highlights, year 2017 transmission and distribution factors for non-UK countries. The emissions are calculated using global warming potentials from IPCC Fourth Assessment Report (AR4 - 100 year).

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

100

Please explain

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

5252

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Our upstream transportation and distribution emissions include emissions calculated from our spend as well as those associated with our product sales. A combination of spend data and economic input-output (IO) tables from Carnegie Mellon Economic Input-Output Life-Cycle Assessment (EIO-LCA) are used to estimate emissions. We recognize that using IO factors as part of emissions reductions measurement may be less accurate than other techniques that use vendor-specific data. However, this practical approach provides an important step towards a more complete understanding of the indirect emissions associated with our business operations. In the spirit of increasing transparency, we are including these emissions in our Scope 3 inventory with a goal of continuing to improve the accuracy of supply chain-related emissions reported in the future. We previously developed emission factors for the various phases of our product lifecycle, including transportation and distribution. These emission factors and the product sales in the current reporting year are used to estimate these emissions associated with our product sales.

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

0.4

Please explain

Waste generated in operations

Evaluation status

Relevant, calculated

Metric tonnes CO2e

411

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Our emissions reported for waste generated in operations only cover Autodesk sites where waste data were available. Amount of each material type was multiplied by the relevant emission factor based on disposal method. Emissions were calculated using transportation factors from EPA's Waste Reduction Model (WARM), version 15, 2019. GWPs used were IPCC Fourth Assessment Report (AR4 - 100 year).

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

100

Please explain

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

83235

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Business travel emissions include air travel, rental cars, and mileage in employee vehicles by Autodesk global staff. Flights were categorized as long (>3700 km/2300 mi), medium (> 483 km/30 mi and <3700 km/2300 mi) and short (<483 km/300 mi) haul and by cabin class. Emissions were calculated using emission factors with radiative forcing and methodologies from the 2019 Guidelines to Defra / DECC's GHG Conversion Factors for Company Reporting and GHG Protocol Emission Factors from Cross-Sector Tools. GWPs are IPCC Fourth Assessment Report (AR4 - 100 year)

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

100

Please explain

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO2e

14395

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. To calculate emissions of employee commuting, Autodesk uses headcount data, workdays in the current reporting year by country, and emission factors developed from the latest Autodesk commute survey conducted in 2014.

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

100

Please explain

Upstream leased assets

Evaluation status

Relevant, calculated

Metric tonnes CO2e

67

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. To calculate emissions of upstream leased assets, a combination of spend data and economic input-output (IO) tables from Carnegie Mellon Economic Input-Output Life-Cycle Assessment (EIO-LCA) are used to estimate emissions. We recognize that using IO factors as part of emissions reductions measurement may be less accurate than other techniques that use vendor-specific data. However, this practical approach provides an important step towards a more complete understanding of the indirect emissions associated with our business operations. In the spirit of increasing transparency, we are including these emissions in our Scope 3 inventory with a goal of continuing to improve the accuracy of supply chain-related emissions reported in the future.

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

0

Please explain

Downstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

3

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Our downstream transportation and distribution emissions reflect emissions associated with our product sales. We previously developed emission factors for the various phases of our product lifecycle, including transportation and distribution. These emission factors and the product sales in the current reporting year are used to estimate these downstream transportation and distribution emissions associated with our product sales.

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

100

Please explain

Processing of sold products

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

Autodesk's products require no additional processing before being sold to customers.

Use of sold products

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

Use of Autodesk's products does not directly cause emissions but is dependent on customer equipment and customer energy use to run that equipment. Product use does result in data center activity included in Autodesk's Scope 2 inventory, and cloud supplier activity included in Autodesk's Scope 3 Purchased Goods and Services inventory. As Autodesk continues to advance the sophistication of the company's cloud solutions, customers will be able to make better design and make decisions while reducing their on-site energy use from local computing.

End of life treatment of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

0.9

Emissions calculation methodology

Autodesk uses the GHG Protocol's Corporate Value Chain (Scope 3) Standard to calculate Scope 3 Emissions. Our EOL treatment of sold products emissions reflect emissions associated with our product sales in the current reporting year. We previously developed emission factors for the various phases of our product lifecycle, including EOL treatment. These emission factors and the product sales in the current reporting year are used to estimate these EOL treatment emissions associated with our product sales.

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

100

Please explain

Downstream leased assets

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

Autodesk does not lease assets to third parties.

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

Autodesk does not have franchises.

Investments

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

Autodesk does not have investments with material emissions.

Other (upstream)

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

Autodesk does not have any other upstream activities.

Other (downstream)

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

Autodesk does not have any other downstream activities.

C6.7

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

No

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

0.00000101

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

3290.8

Metric denominator

unit total revenue

Metric denominator: Unit total

3274300000

Scope 2 figure used

Market-based

% change from previous year

5.28

Direction of change

Decreased

Reason for change

GHG emissions per unit total revenue of 0.00000101 decreased by 5.3% in FY2020, when compared with the previous reporting year. The change is driven by an increase in absolute emissions of 20.7% and an increase in unit total revenue of 27.4%. Absolute emissions grew by less than total revenue due to emissions reduction initiatives.

Intensity figure

0.0014

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

3290.8

Metric denominator

square foot

Metric denominator: Unit total

2292234

Scope 2 figure used

Market-based

% change from previous year

15.28

Direction of change

Increased

Reason for change

GHG emissions per square foot of 0.0014 increased by 15.3% in FY2020, when compared with the previous reporting year. The change is driven by an increase in absolute emissions of 20.7% and an increase in square foot of 4.7%.

Intensity figure

0.326

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

3291

Metric denominator

full time equivalent (FTE) employee

Metric denominator: Unit total

10100

Scope 2 figure used

Market-based

% change from previous year

14.71

Direction of change

Increased

Reason for change

GHG emissions per full time equivalent (FTE) employee of 0.326 increased by 14.7% in FY2020, when compared with the previous reporting year. The change is driven by an increase in absolute emissions of 20.7% and an increase in full time equivalent (FTE) employee of 5.2%.

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).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	3179.16	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	2.332	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	8.448	IPCC Fifth Assessment Report (AR5 – 100 year)

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	167
United Kingdom of Great Britain and Northern Ireland	75
Canada	95
Germany	3
Czechia	1
Romania	16
Ireland	2832

C7.3

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

By activity

C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Facilities Natural Gas	468
Fleet	2722

C7.5

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

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
Argentina	21		59	59
Australia	282		295	295
Brazil	5		43	43
Canada	115		2662	2662
China	2644		4224	4224
Colombia	2		7	7
Czechia	63		125	125
Denmark	3		17	17
France	8		112	112
Germany	186	2	450	438
India	656		907	907
Indonesia	6		8	8
Ireland	137	0	333	331
Israel	270		484	484
Italy	41		126	126
Japan	255		486	486
Jordan	23		46	46
Malaysia	7		11	11
Mexico	30		62	62
Netherlands	15	2	38	30
Philippines	3		4	4
Poland	142		199	199
Romania	75		219	219
Russian Federation	29		83	83
Saudi Arabia	7		9	9
Singapore	584		1474	1474
South Africa	3		3	3
Republic of Korea	143		265	265
Spain	115	1	399	394
Sweden	1		90	90
Switzerland	1		52	52
Taiwan, Greater China	20		40	40
Thailand	3		7	7
Turkey	5		10	10
United Arab Emirates	37		57	57
United Kingdom of Great Britain and Northern Ireland	382	1	1497	1491
United States of America	4671	94	17391	16927
Viet Nam	1		4	4

C7.6

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

By activity

C7.6c

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

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Facilities	9989	101
Data Centers	1000	0

C7.9

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

Increased

C7.9a

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

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	274	Decreased	10.06	We had a net decrease in scope 2 energy consumption, and thus net decrease in renewable energy consumption. The % decrease was calculated as $274/2,727 = 10.06\%$.
Other emissions reduction activities	158	Decreased	5.81	We have decreased our Scope 1 and Scope 2 emissions related to our operations through emissions reduction activities. For our offices, we have invested in LED lighting. Additionally, we have reduced the emissions associated with our fleet vehicles. The % decrease was calculated as $158/2,727 = 5.81\%$.
Divestment		<Not Applicable >		
Acquisitions		<Not Applicable >		
Mergers		<Not Applicable >		
Change in output	997	Increased	36.56	During the reporting year, we experienced a 36.6% increase in total Scope 1 + 2 emissions due to the increase in fuel used by our sales fleet and natural gas used in our buildings. The % increase was calculated as $((3,291+158+274) - 2,727)/2,727 = 36.6\%$.
Change in methodology		<Not Applicable >		
Change in boundary		<Not Applicable >		
Change in physical operating conditions		<Not Applicable >		
Unidentified		<Not Applicable >		
Other		<Not Applicable >		

C7.9b

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

Market-based

C8. Energy

C8.1

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

More than 0% but less than or equal to 5%

C8.2

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

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

C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)	0	13505	13505
Consumption of purchased or acquired electricity	<Not Applicable>	31801	0	31801
Consumption of purchased or acquired heat	<Not Applicable>	0	498	498
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>		<Not Applicable>	
Total energy consumption	<Not Applicable>	31801	14003	45804

C8.2b

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

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

C8.2c

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

Fuels (excluding feedstocks)

Diesel

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

6206

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

10.14

Unit

kg CO2e per gallon

Emissions factor source

GHG Protocol Emission Factors from Cross Sector Tools March 2017

Comment

This represents consumption of diesel fuel. Our primary data are miles in a diesel vehicle. Therefore, we used the GHGP factor for diesel passenger vehicle by vehicle distance. As kg CO2e per mile is not a drop-down option in the ORS, we have multiplied the per mile factor by 22.5 miles per gallon fuel efficiency noted in the GHGP emission factors.

Fuels (excluding feedstocks)

Natural Gas

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

2809

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

56.2665

Unit

kg CO2e per GJ

Emissions factor source

GHG Protocol Emission Factors from Cross Sector Tools March 2017

Comment

This represents consumption of Natural Gas.

Fuels (excluding feedstocks)

Motor Gasoline

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

4988

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

8.66

Unit

kg CO2e per gallon

Emissions factor source

GHG Protocol Emission Factors from Cross Sector Tools March 2017

Comment

This represents consumption of Motor Gasoline. Our primary data are miles in a diesel vehicle. Therefore, we used the GHGP factor for diesel passenger vehicle by vehicle distance. As kg CO2e per mile is not a drop-down option in the ORS, we have multiplied the per mile factor by 22.5 miles per gallon fuel efficiency noted in the GHGP emission factors

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

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity				
Heat	2312	2312		
Steam				
Cooling				

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**

Green electricity products (e.g. green tariffs) from an energy supplier, supported by energy attribute certificates

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Germany

MWh consumed accounted for at a zero emission factor

438

Comment

Sourcing method

Unbundled energy attribute certificates, Renewable Energy Certificates (RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

United States of America

MWh consumed accounted for at a zero emission factor

19760

Comment

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Solar

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Israel

MWh consumed accounted for at a zero emission factor

484

Comment

Sourcing method

Unbundled energy attribute certificates, other - please specify (TIGRs)

Low-carbon technology type

Solar

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Singapore

MWh consumed accounted for at a zero emission factor

1646

Comment

Sourcing method

Unbundled energy attribute certificates, Guarantees of Origin

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Europe, Middle East and Africa (EMEA)

MWh consumed accounted for at a zero emission factor

3560

Comment

Sourcing method

Unbundled energy attribute certificates, other - please specify (LGC)

Low-carbon technology type

Solar

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Australia

MWh consumed accounted for at a zero emission factor

295

Comment

Sourcing method

Unbundled energy attribute certificates, other - please specify (J-Credit)

Low-carbon technology type

Solar

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Japan

MWh consumed accounted for at a zero emission factor

Comment

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Low-carbon energy mix

Country/region of consumption of low-carbon electricity, heat, steam or cooling

India

MWh consumed accounted for at a zero emission factor

907

Comment

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

China

MWh consumed accounted for at a zero emission factor

4224

Comment

C9. Additional metrics

C9.1

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

C10. Verification

C10.1

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

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

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 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

Autodesk 2020 GHG Verification Statement.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1b

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

Scope 2 approach

Scope 2 market-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Autodesk 2020 GHG Verification Statement.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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

Autodesk 2020 GHG Verification Statement.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1c

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

Scope 3 category

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

Autodesk 2020 GHG Verification Statement.pdf

Page/section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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

Autodesk 2020 GHG Verification Statement.pdf

Page/section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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

Autodesk 2020 GHG Verification Statement.pdf

Page/section reference

Pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.2

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

Yes

C10.2a

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

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C6. Emissions data	Year on year change in emissions (Scope 1)	ISO 14064-3	We have chosen to verify this data point as it is related to the annual verification of our organization-wide Scope 1 and Scope 2 emissions and tracking progress against our emissions reduction goal. The emissions are reported in question C6.1 and included in the Year on Year change in Scope 1 and 2 combined in question C7.9a.
C6. Emissions data	Year on year change in emissions (Scope 2)	ISO 14064-3	We have chosen to verify this data point as it is related to the annual verification of our organization-wide Scope 1 and Scope 2 emissions and tracking progress against our emissions reduction goal. The emissions are reported in question C6.3 and included in the Year on Year change in Scope 1 and 2 combined in question C7.9a.
C6. Emissions data	Year on year change in emissions (Scope 1 and 2)	ISO 14064-3	We have chosen to verify this data point as it is related to the annual verification of our organization-wide Scope 1 and Scope 2 emissions and tracking progress against our emissions reduction goal. The emissions are reported in questions C6.1 and C6.3 and included in the Year on Year change in Scope 1 and 2 combined in question C7.9a.

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?

Yes

C11.2a

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Credit origination or credit purchase

Credit purchase

Project type

Biomass energy

Project identification

The BURN Stoves project allows families in rural Kenya to cook food using cleaner, more efficient cook stoves, thereby consuming less charcoal. Communities typically use wood and charcoal to fuel open fires and inefficient cook stoves, creating indoor air pollution, releasing CO2 emissions and creating pressure on local forests. The Burn Stove Project manufactures and distributes the market-leading 'Jikokoa' stove locally, employing over 200 people in sales, manufacturing and distribution – 60% of whom are women.

Verified to which standard

Gold Standard

Number of credits (metric tonnes CO2e)

69000

Number of credits (metric tonnes CO2e): Risk adjusted volume

69000

Credits cancelled

No

Purpose, e.g. compliance

Voluntary Offsetting

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
- Identify and seize low-carbon opportunities

GHG Scope

- Scope 1
- Scope 2
- Scope 3

Application

The internal price on carbon supports purchase of offsets and renewable energy to meet our C-FACT goal. Aligning this commitment to our science-based GHG reduction target, which covers our entire business, further enables Autodesk to continue meeting that target and our 100% renewable energy commitment, engaging our employees, and eliminating short-lived climate pollutants from our supply chain. We: • Set an internal carbon price high enough to materially affect investment decisions to drive down GHG emissions in-line with our science-based GHG reduction target; • Publicly advocate the importance of carbon pricing through policy mechanisms that take into account country specific economies and policy contexts; and • Communicate on progress over time on the two criteria above in public corporate reports

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

4.26

Variance of price(s) used

We have an evolutionary price that is based on a solid floor. The price is increasing in the coming year.

Type of internal carbon price

Implicit price

Impact & implication

The internal price on carbon supports the management and purchase of offsets and renewable energy to meet our C-FACT goal. Setting an internal price on carbon not only enables better decision-making by aligning our own business and investments with a low-carbon economy, but also helps us better understand and support our global customers to reimagine, reinvent, and remake the built world for everyone.

C12. Engagement

C12.1

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

- Yes, our suppliers
- Yes, our customers

C12.1a

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

Type of engagement

Information collection (understanding supplier behavior)

Details of engagement

Collect climate change and carbon information at least annually from suppliers

% of suppliers by number

0.01

% total procurement spend (direct and indirect)

36

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

47.8

Rationale for the coverage of your engagement

In fiscal year 2020 we engaged our suppliers to request the following: 1) Energy and carbon data from our cloud service providers. Rationale: As we transition from data centers to the cloud, cloud emissions are a growing piece of our greenhouse gas footprint. 2) Air travel greenhouse gas emissions calculations from our travel booking provider. Rationale: Air travel emissions make up close to one-third of FY20 greenhouse gas emissions. We engaged our supplier to show greenhouse gas emissions calculations for flight options during the time of booking. This information is presented alongside the cost and travel time of a booking, and is shown to all air travel bookers. 3) Energy, waste, and water data from our major conference venues. Rationale: We engage the venues of our large conferences to collect sustainability data that informs our annual greenhouse gas footprint. 4) Greenhouse gas data from our large suppliers. Rationale: We analyzed our spend emissions and decided to engage our suppliers that contribute over 100 metric tons CO2e (per our IO analysis) in our CDP Supply Chain supplier engagement program starting in 2020. Through CDP Supply Chain we will collect annual climate change and carbon information from our suppliers. We determined 100 metric tons CO2e is a significant and material contribution to our spend footprint. The sum total of suppliers that met this threshold accounted for approximately 50,000 metric tons CO2e, or 47.8% of our total Scope 3 emissions as reported in C6.5.

Impact of engagement, including measures of success

1) Our metric is to gather actual energy and carbon cloud service provider data in order to account for actual emissions (with renewable energy). The metric of success will be moving from IO analysis to estimate these emissions to a new methodology that reflects actual energy consumption data. 2) Engaging our air travel provider to include air travel emissions will inform all Autodesk staff about the carbon impact of their flights and encourage informed decision making. The metric of success will be more bookings of efficient and direct flights compared to before. 3) Our sustainability requirements and collection of data results in more resource efficient operations and experiences for our conference attendees. The measure of success is collection of this data annually and tracking year over year changes to ensure consistent or more efficient impacts over time. 4) We will be successful if we engage in CDP Supply Chain suppliers that account for 20% of our 50,000 metric tons CO2e targeted emissions in the first year, 30% in the second, and 40% in the third year. By our third year it is our goal to replace our IO analysis data with actual emission data for a minimum of 20,000 metric tons CO2e.

Comment

C12.1b

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

Type of engagement

Education/information sharing

Details of engagement

Run an engagement campaign to educate customers about the climate change impacts of (using) your products, goods, and/or services

% of customers by number

70

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

0

Portfolio coverage (total or outstanding)

<Not Applicable>

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

In Fall 2019 Autodesk held its annual Autodesk University event. Autodesk University is a conference where professionals from construction, manufacturing, architecture, and engineering industries come together to learn, connect, and explore the technologies that shape our world. Last year we had approximately 10,000 attendees. Approximately 7,000, or around 70% of these attendees were engaged in sustainability messaging through the Autodesk University General Session Keynote. In addition, the virtual reach of the Autodesk University General Session Keynote was over 217,000 live streams. Because Autodesk University attendees are professionals and leaders across their disciplines, these customers are key to engage sustainable education and this is why we focus on this event for engaging with customers on this topic. As influencers, decision makers, and users of Autodesk software, they are designing and making a more sustainable world.

Impact of engagement, including measures of success

Success of this given engagement was measured on reach. Results of this education campaign were strong, with 70% in person exposure from the main stage, and an additional 217,000 keynote live stream views online. The keynote addressed the question of how we balanced the desire for more, with less available resources. The conclusion was that we do so in a better way, e.g. the "more, less, better" story which is about efficient use of energy and materials. The call to action was "better starts here" and how our customers can and should do it.

C12.3

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

Direct engagement with policy makers

C12.3a

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

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Other, please specify (State Climate Action)	Support	We signed a letter to MA Governor & General court on Climate 2050 Roadmap bill.	We supported strengthening the Massachusetts Global Warming Solutions Act (GWSA) by setting a target of net zero emissions by 2050 and aggressively implementing policies to reach that target, as would be accomplished by passing H.832-An Act to create a 2050 roadmap to a clean and thriving commonwealth (Rep. Meschino).
Cap and trade	Support	We signed a letter to US West Coast state legislators advocating a regional Cap and Invest program.	We supported the transition to a low-carbon economy, and the Pacific Coast Collaborative to implement market-based mechanisms to reduce greenhouse gas (GHG) emissions in Oregon and Washington.
Other, please specify (Global Climate Action)	Support	We attended COP25 in Madrid to speak with delegates on the importance and readiness of climate action. https://adsknews.autodesk.com/views/climate-change-policy-cop25	Autodesk staff represented Autodesk alongside thousands of global climate leaders in Madrid for the United Nations Climate Change Conference (COP 25), and served as a delegate of the U.S. Climate Action Center (USCAC) coordinated by We Are Still In. Alongside colleagues from Microsoft, Target, Mars and others, we demonstrated that American businesses remain United for the Paris Agreement. We took part in bilateral meetings with ambassadors from other countries and U.S. Senate staffers to hear their perspectives, reaffirm support and commitments to the Paris Agreement, and call for continued action.

C12.3f

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

Through regular monthly meetings the leadership in Autodesk’s Government Affairs team and Sustainability and Foundation team work together to ensure that activities influencing policy are consistent and aligned, reinforce each other’s efforts, support company priorities, and support Autodesk’s overall climate change strategy. This includes sharing information about relevant relationships and initiatives so that all participants are working from a common set of knowledge and are in a position to identify issues that might arise and respond accordingly. Inconsistencies in this area have not arisen in the past. Examples of outcomes from these sessions include meeting with government officials and deciding to publicly support local renewable energy legislation, national and international climate action initiatives, and other regional legislation that support the growth of our business. Autodesk is a member of the Ceres BICEP Network, which is comprised of companies advocating for stronger climate and clean energy policies at the state and federal level in the U.S.

C12.4

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

Publication

In mainstream reports

Status

Complete

Attach the document

ADSK 2020 Annual Report.pdf

Page/Section reference

Pages 25-26.

Content elements

- Governance
- Strategy
- Risks & opportunities

Comment

Publication

In voluntary sustainability report

Status

Complete

Attach the document

autodesk-fy2020-sustainability-report-Edit-Final.pdf

Page/Section reference

Pages 4-9

Content elements

- Governance
- Strategy
- Risks & opportunities
- Emissions figures
- Emission targets

Comment

C15. Signoff

C-FI

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

C15.1

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

	Job title	Corresponding job category
Row 1	Chief Financial Officer	Chief Financial Officer (CFO)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

Please confirm below

I have read and accept the applicable Terms