

Welcome to your CDP Climate Change Questionnaire 2021

C0. Introduction

C0.1

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

Xilinx is the inventor of the FPGA, programmable SoCs, and now, the ACAP. Our highly-flexible programmable silicon, enabled by a suite of advanced software and tools, drives rapid innovation across a wide span of industries and technologies - from consumer to cars to the cloud. Xilinx delivers the most dynamic processing technology in the industry, enabling rapid innovation with its adaptable, intelligent computing. For more information, visit www.xilinx.com.

As a "fabless" semiconductor company, Xilinx does not own or operate silicon wafer production facilities. Rather, the Company forms strategic alliances with chip manufacturers. The strategy allows Xilinx to focus on research and development, marketing, and technical support, while having access to the most advanced chip processing technologies currently available.

- Founded in 1984
- ~5000 employees
- 4400 + patents
- \$3.15 billion for fiscal year 2021 (spans calendar year 2020)

Xilinx takes pride in supporting its community; both externally and internally. Xilinx has a history of developing programs for its employees and surrounding communities that provide a social impact through outreach, volunteerism, team building and philanthropy. Areas of focus include education, health, arts and social services. Xilinx culture is represented by pride in leadership, a passion for excellence, and personal growth. Together, approximately 5,000 Xilinx employees worldwide join forces to evolve and actively transform the company and its technologies to shape the future.

As the global leader in adaptable semiconductor technologies, we at Xilinx are committed to innovating new devices that will allow our customers to create technologies that are bettering humanity and the world in which we live. At the same time, we are committed to being an ethical and exemplary corporate citizen worldwide. We are committed to helping improve the environment, society and economy on a global as well as local basis. We are committed to providing an equal-opportunity, ethical, professional, socially- and environmentally-responsible and safe work environment. And we are committed to partnering with suppliers who also adhere to these high standards.



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
Reporting year	January 1, 2020	December 31, 2020	No

C0.3

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

- India
- Ireland
- Singapore
- United States of America

C0.4

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

- USD

C0.5

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

- Operational control

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
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Chief Financial Officer (CFO)	Xilinx's CFO monitors and provides climate-related program input at regular management reviews on the company's environmental performance to the Xilinx board. This is also part of our overall ISO 14001 and ISO 45001 certification management system and Environmental, Social, and Governance (ESG) initiatives.
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C1.1b

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

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Please explain
Scheduled – some meetings	Reviewing and guiding strategy Reviewing and guiding annual budgets Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	CFO provides direction on major capital expenditures requiring approval from the Xilinx board (this has included building renovations which incorporated climate reduction solutions such as solar panel investments and recent Solar Panel parking lot and battery storage investments). The CFO also monitors progress against climate-related goals and targets on a regular basis and presents to the Xilinx board.

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)	Responsibility	Frequency of reporting to the board on climate-related issues
Chief Financial Officer (CFO)	Both assessing and managing climate-related risks and opportunities	Annually

Other committee, please specify GSS Team: EHS and Facility/Operations	Both assessing and managing climate-related risks and opportunities	Annually
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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).

Xilinx's CFO provides climate-related program input at regular management reviews on the company's environmental performance through scheduled meetings with the Global Site Services (GSS) and Environment Health and Safety (EHS) team. This is part of our overall ISO 14001 and ISO 45001 EHS Management System certification. Performance on climate-related goals are presented and discussed for continual improvement. The CFO reports directly to the CEO and the Xilinx board. The GSS Management team through its Operations and EHS group implements, monitors and reports on climate-related issues and supports the CFO at the board meeting on this topic.

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
Environmental, health, and safety manager	Non-monetary reward	Emissions reduction project	Report on energy reduction target on a semi-annual basis to C-suite executives.
Facilities manager	Non-monetary reward	Energy reduction project	Meet with CFO on quarterly to semi-annual basis to review emission reduction projects and financial ROI metrics.
All employees	Non-monetary reward	Other (please specify) Charitable Donations	In recognition of financial donations or volunteer hours to a non-profit, Xilinx Global Corporate and Community Engagement offers an e-Rewards Match Program for eligible employees and Board of Directors (\$1,500 USD for any combination of financial donations or volunteer hours; volunteer hours are \$25 for every hour volunteered up to 60

			hours). This program seeks to develop local community relationships through funding and involvement that encourages active participation, teamwork, and volunteerism. The XilinxGives vision is to create and support charitable giving programs around the globe that set the standard for systemic change and measurable results which includes environmental related charities.
All employees	Monetary reward	Behavior change related indicator	Xilinx provides "Impact Awards" of a cash incentive to employees who organize our global Earth Day events and to employees who demonstrate their personal sustainability actions at home and at work.

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	Annual targets and year over year comparisons are included in this time period.
Medium-term	3	6	This time period is specific to climate related projects and review of our short-term goals to our long-term c strategy.
Long-term	6		This time period is specific to climate related projects that includes alignment to science-based targets, SDGs, SASB and TCDF reporting.

C2.1b

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

With every new generation of our products, our strategy is to increase the performance, density and system-level functionality and integration, while driving down cost and power consumption at each manufacturing process node. This enables us to provide simpler, smarter programmable platforms and design methodologies allowing our customers to focus on

innovation and differentiation of their products. Our strategy includes expanding our user base by making our platforms more accessible to users who don't have prior experience with hardware programmable devices.

C2.2

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

Value chain stage(s) covered

Direct operations

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term

Medium-term

Long-term

Description of process

Our Board has overall responsibility for risk oversight at the Company and may delegate particular risk areas to the appropriate Committees of the Board. The Board's role in risk oversight builds upon management's risk management process. The Company conducts a formal annual risk assessment as well as coordinates on-going risk management activities throughout the year to identify, analyze, respond to, monitor and report on risks. Risks reviewed by the Company includes operational risks, financial risks, legal and compliance risks, IT risks, strategic risks, and business continuity risks. The management team then reviews with the Board any significant risks identified during the process, together with plans to mitigate such risks. In response, the Board or the relevant Committee may request that management conduct additional review of or reporting on select enterprise risks. The process and risks are reviewed at least annually with the Board or any of its Committees. In addition, our business continuity plan serves as a framework for managing and responding quickly to unanticipated events and interruptions that may impact our business operations and customers.

Value chain stage(s) covered

Upstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

We're ensuring our upstream partners meet our environmental standards by implementing a corporate social responsibility (CSR) survey to ensure that our top suppliers are aware of and following our strict guidelines while also confirming they are certified to the ISO 14001 EMS standards. We require our suppliers to complete an annual self-assessment describing the degree to which a supplier meets Xilinx's sustainability requirements which measures acceptance of Xilinx Code of Social Responsibility policy (following the RBA Code of Conduct), and compliance with:

Climate footprint policies (including CDP reporting)
Human rights policies
Anti-trust and corruption policies
Environment, health, and safety best-practices

A supplier must get a passing grade (higher than 50%) in each of the four sections to pass the self-assessment. Those who do not, will be asked to make improvements and provide an action plan with timetable by which those improvements will be met. The environmental standards are included in our annual evaluation of Supplier recognition.

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	This is a mandated process to include current regulations to meet compliance requirements.
Emerging regulation	Relevant, always included	This is a mandated process to include any upcoming regulations to meet compliance requirements.
Technology	Relevant, sometimes included	We review our packaging, low-power products to include in our climate-related risk assessments and influence our internal stakeholders to address from the design phase of our products.
Legal	Relevant, always included	This is a mandated process to include any upcoming regulations to meet compliance requirements from our Legal Team.

Market	Relevant, sometimes included	We review our packaging, low-power products to include in our climate-related risk assessments and influence our internal stakeholders to address from the design phase of our products in order to meet external stakeholder needs.
Reputation	Relevant, sometimes included	Xilinx was ranked #73 on Barron's 100 Most Sustainable Companies for 2019 and is focused on disclosing climate change and water reduction metrics. Xilinx won the Nokia Sustainability Award in 2020 Xilinx ranked in top 25% of Newsweek's list of Sustainable Companies for 2021
Acute physical	Relevant, sometimes included	Included in our overall Environmental Impact Analysis (affecting Supply Chain involvement)
Chronic physical	Relevant, sometimes included	Included in our overall Environmental Impact Analysis (affecting Supply Chain involvement)

C2.3

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

Yes

C2.3a

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

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Technology

Substitution of existing products and services with lower emissions options

Primary potential financial impact

Increased direct costs

Company-specific description

Certification to ISO 14001:2015 standard.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Not able to disclose at this time.

Cost of response to risk

Description of response and explanation of cost calculation

ISO 14001 Environmental Management Systems Standard - All our suppliers are audited to and shall comply with legal, regulatory, and statutory requirements imposed locally and/or any requirement which may be imposed by Xilinx in order to comply with a stated Legal, statutory, or regulatory requirement. In addition, Level 1 suppliers (Foundry, Wafer, Piece Parts, Assembly, and Test) that have an environmental impact must be certified to ISO 14001.

Comment

Not able to disclose at this time.

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Primary potential financial impact

Increased indirect (operating) costs

Company-specific description

In an extension of Xilinx's commitment to energy efficiency measures and on-site renewable generation, the company has installed a 1.4 Megawatts of solar and a 500 kW / 1.1 mWh of Energy Storage with an expected annual generation of 2,370,000 kWh of on-site renewable energy. The installation will also help further reduce the Carbon Footprint of Xilinx by 43,800 tons of carbon dioxide (CO₂) over the life of the solar system which is the equivalent of planting over 1 million trees.

Time horizon

Long-term

Likelihood

Virtually certain

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Energy costs have increased dramatically over the last several years and are forecasted to continue rising in the foreseeable future. In addition, PG&E (Utility Provider for Xilinx headquarter campus in San Jose, CA) has announced a shift in time of use rates to recapture lost revenue as result of increased photovoltaic systems being commissioned throughout the state. This will result in increased OPEX costs for the San Jose campus.

This project will further reduce and or maintain flat operational costs and Xilinx's overall carbon footprint.

Cost of response to risk

Description of response and explanation of cost calculation

Since 2011 our corporate HQ campus has actively managed overall energy costs and consumption to achieve a net reduction despite increasing headcount and business operations. This was possible through the implementation of energy savings initiatives such as fuel cell deployments, solar systems installations, and active demand response strategies.

Comment

Not able to disclose at this time.

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Primary potential financial impact

Company-specific description

Providing enhanced low-power products and incorporating requirements at design phase of our semiconductor product line.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Not able to disclose at this time.

Cost of response to risk

Description of response and explanation of cost calculation

Xilinx's System on a Chip (SoC) portfolio integrates the software programmability of a processor with the hardware programmability of an FPGA, providing our customers with unrivaled levels of system performance, flexibility, and scalability. The portfolio gives

designs overall system benefits of power reduction and lower cost with fast time to market. Unlike traditional SoC processing solutions, the flexible programmable logic provides optimization and differentiation, allowing to add the peripherals and accelerators needed to adapt to a broad base of applications.

Comment

Not able to disclose at this time.

C2.4

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

Yes

C2.4a

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

Identifier

Opp1

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient production and distribution processes

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

As more and more solar capacity is being brought online in California, the revenue impact to the state's major utility providers are being impacted negatively. In order to recapture this lost revenue, utility providers are proposing shifting peak demand charging periods to be offset from peak solar production time period. This "time of use" billing shift has the potential to moderately increase energy costs for our corporate campus. The extent of these cost increases are unknown at this time.

In an extension of Xilinx's commitment to energy efficiency measures and on-site renewable generation, the company has installed a 1.4 Megawatts of solar and a 500 kW / 1.1 mWh of Energy Storage with an expected annual generation of 2,370,000 kWh of on-site renewable energy. The installation will also help further reduce the Carbon Footprint of Xilinx by 43,800 tons of carbon dioxide (CO₂) over the life of the solar system which is the equivalent of planting over 1 million trees. The construction and

installation was completed in February 2020.

The installation of the carport structure incorporates new electric vehicle charging stations to help support the growing number of Xilinx employees and visitors who drive electric vehicles.

Besides providing clean renewable energy to its corporate campus, the solar carport structures also provides shade to vehicles, reduces the use of AC by drivers otherwise getting into hot cars, helps reduce the effect of 'Urban Heat Islands' caused by parking lots, as well as the many environment benefits.

Time horizon

Long-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Not able to disclose at this time.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Implementing software to track time of use shift in order to utilize power from solar to be within the redefined non-peak times.

Comment

Not able to disclose at this time.

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

	Is your low-carbon transition plan a scheduled resolution item at AGMs?	Comment
Row 1	Yes	We are currently evaluating market-based renewable energy options for alignment to the 1.5-degree Celsius warming scenario which will aid in meeting our 25% CO2 reduction goal from Scope 1 and 2 emissions by the end of CY2025, and put us on track for 50% reduction of total emissions by 2030.

C3.2

(C3.2) 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

C3.2b

(C3.2b) Why does your organization not use climate-related scenario analysis to inform its strategy?

As stated in our companies 10K filing:

Xilinx places a high level of importance on corporate responsibility. Through senior-level sponsorship, regular environmental, health and safety assessments and company-wide performance targets, we strive to achieve a culture that emphasizes contribution to local and global communities through a number of key initiatives:

Environment

We continually monitor regulatory requirement and resource trends in order to identify, manage and control activities that have an environmental impact. We focus on the conservation of

energy and natural resource, reducing the solid and chemical waste of our operations, avoiding and preventing pollution and minimizing our overall environmental impact with regards to the communities around us and consistent with global climate change efforts.

C3.3

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

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	With 16nm RFSoc technology, adding ADCs and DACs to the device, customers can save >150W per antenna, 64R64T Radio. Typically with 3 antennas per base station (to achieve 360 degree coverage) equating to 450W savings in total / each. Xilinx has deployed an innovative lidless package with stiffener ring, this combined with the patented etching pattern allows a reduction in the device junction temperature and thus in device power by reducing leakage current. Compared to similar size device the lidless technology results in 10/20% thermal savings vs. standard.
Supply chain and/or value chain	Yes	ISO 14001 Environmental Management Systems Standard - All our suppliers are audited to and shall comply with legal, regulatory, and statutory requirements imposed locally and/or any requirement which may be imposed by Xilinx in order to comply with a stated Legal, statutory, or regulatory requirement. In addition, Level 1 suppliers (Foundry, Wafer, Piece Parts, Assembly, and Test) that have an environmental impact must be certified to ISO 14001.
Investment in R&D	Yes	We design, develop and market programmable devices and associated technologies, including advanced ICs in the form of PLDs, boards, software design tools and predefined system functions delivered as IP. In addition to our programmable platforms, we provide design services, customer training, field engineering and technical support. Our PLDs include FPGAs, CPLDs and programmable SoCs. These devices are standard products that our customers program to perform desired logic functions. Our products are designed to provide high integration and quick time-to-market for electronic equipment manufacturers in end markets such as Aerospace & Defense (A&D), Industrial Test and Measurement and Emulation (TME), Automotive, Broadcast and Consumer, Wired and Wireless

		and Data Center. We actively invest in R&D to develop low power product offerings.
Operations	Yes	In an extension of Xilinx's commitment to energy efficiency measures and on-site renewable generation, the company has installed a 1.4 Megawatts solar and a 500 kW / 1.1 mWh Energy Storage with an expected annual generation of 2,370,000 kWh of on-site renewable energy. The installation will also help further reduce the Carbon Footprint of Xilinx by 43,800 tons of carbon dioxide (CO ₂) over the life of the solar system which is the equivalent of planting over 1 million trees.

C3.4

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

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Capital expenditures Capital allocation	Evaluation of investing in \$4.5M Solar and Battery storage project for our headquarters in San Jose, CA to offset carbon usage and reduce our overall environmental impact. Resulting savings is \$500K annually with reducing Xilinx's carbon footprint by 43,800 tons of carbon dioxide (CO ₂) over the life of the solar system (20 years).

C3.4a

(C3.4a) 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?

Intensity target

C4.1b

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

Target reference number

Int 1

Year target was set

2020

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (location-based)

Intensity metric

Metric tons CO₂e per unit FTE employee

Base year

2015

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

9.3

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

100

Target year

2025

Targeted reduction from base year (%)

25

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

6.975

% change anticipated in absolute Scope 1+2 emissions

% change anticipated in absolute Scope 3 emissions

0

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

4.9

% of target achieved [auto-calculated]

189.247311828

Target status in reporting year

Achieved

Is this a science-based target?

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

Target ambition

Please explain (including target coverage)

In support of limiting global warming by minimizing generation of greenhouse gases (GHGs) in our operations as we continue to expand our business, we have set a new carbon emissions target of 25% CO₂ reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

Energy-efficient building design, conservation initiatives, and energy reduction projects have helped us achieve our carbon reduction goal along with sourcing global electricity use from renewable energy with continued company growth. In late 2016, we began rapidly increasing our use of renewable energy, and by the end of 2020, renewable energy sources have supplied 45% of our total energy needs at headquarters in San Jose, California. We are currently evaluating market-based renewable energy options for alignment to the 1.5-degree Celsius warming scenario which will aid in meeting our 25% CO₂ reduction goal from Scope 1 and 2 emissions by the end of CY2025, and put us on track for 50% reduction of total emissions by 2030.

C4.2

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

No other climate-related 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 CO ₂ e savings in metric tonnes CO ₂ e (only for rows marked *)
Under investigation		
To be implemented*		
Implementation commenced*		
Implemented*	1	2,178
Not to be implemented		

C4.3b

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

Initiative category & Initiative type

Estimated annual CO2e savings (metric tonnes CO2e)

2,178

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

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

Payback period

No payback

Estimated lifetime of the initiative

Comment

Xilinx procured 3,500 MWh of RECs in 2020, amounting to approximately 2,178 metric tons CO2e savings.

C4.3c

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

Method	Comment
Compliance with regulatory requirements/standards	In addition to local regulatory requirements, company wide environmental certifications are achieved annually to supplement emission reduction programs.
Employee engagement	Global initiatives to reduce environmental impact including education, earth day events, providing EV chargers for personal use, encouraging power reduction in the office environment.

C4.5

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

Yes

C4.5a

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

Level of aggregation

Group of products

Description of product/Group of products

Through careful selection of silicon process and power-conscious architecture design, Xilinx devices deliver power efficiency across all its product portfolios to maximize performance and minimize energy use for customers. With each generation, Xilinx broadens its power reduction capabilities, ranging from process enhancements, architectural innovations, aggressive voltage scaling strategies, and advanced software optimization strategies. Power estimation, thermal models, full software support, and demonstration boards are publicly available for our product families to allow customer evaluation. For the complete power overview and associated detail on portfolio-specific capabilities, silicon process advantages, power-saving metrics, and benchmark comparisons, please visit our Power Efficiency web page:
<https://www.xilinx.com/products/technology/power.html>

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

Avoided emissions

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

Other, please specify

<https://www.xilinx.com/products/technology/power.html>

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

Comment

Revenue percentage not available

C5. Emissions methodology

C5.1

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

Scope 1

Base year start

January 1, 2015

Base year end

December 31, 2015

Base year emissions (metric tons CO2e)

1,820

Comment

Xilinx tracks this emission data for our major sites, including our corporate headquarters in San Jose, Colorado, Ireland, Singapore, and Hyderabad. We undertake a variety of actions, including energy conservation projects, sustainable building initiatives, and renewable energy use, to achieve GHG emission reduction results. We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

Scope 2 (location-based)

Base year start

January 1, 2015

Base year end

December 31, 2015

Base year emissions (metric tons CO2e)

27,623

Comment

Xilinx tracks this emission data for our major sites, including our corporate headquarters in San Jose, Colorado, Ireland, Singapore, and Hyderabad. We undertake a variety of actions, including energy conservation projects, sustainable building initiatives, and renewable energy use, to achieve GHG emission reduction results. We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

Scope 2 (market-based)

Base year start

January 1, 2015

Base year end

December 31, 2015

Base year emissions (metric tons CO2e)

0

Comment



Xilinx tracks this emission data for our major sites, including our corporate headquarters in San Jose, Colorado, Ireland, Singapore, and Hyderabad. We undertake a variety of actions, including energy conservation projects, sustainable building initiatives, and renewable energy use, to achieve GHG emission reduction results. We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

C5.2

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

- Other, please specify
- Regional suppliers/vendors/engineers

C5.2a

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

We have used emissions coefficients provided by regional utility suppliers, equipment vendors and engineering resources, as appropriate.

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)

888

Comment

We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

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

Comment

We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

C6.3

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

Reporting year

Scope 2, location-based

20,988

Comment

We have a set a carbon emissions target of 25% CO2 reduction per employee over ten years from 2016 to 2025 with our baseline year of CY2015.

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, not yet calculated

Please explain

Capital goods

Evaluation status

Relevant, not yet calculated

Please explain

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

Evaluation status

Relevant, not yet calculated

Please explain

Upstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Please explain

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Please explain

Business travel

Evaluation status

Relevant, not yet calculated

Please explain

Employee commuting

Evaluation status

Relevant, not yet calculated

Please explain

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Please explain

Not Applicable

Downstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Please explain

Processing of sold products

Evaluation status

Relevant, not yet calculated

Please explain

Use of sold products

Evaluation status

Relevant, not yet calculated

Please explain

End of life treatment of sold products

Evaluation status

Relevant, not yet calculated

Please explain

Downstream leased assets

Evaluation status

Not evaluated

Please explain

Franchises

Evaluation status

Not relevant, explanation provided

Please explain

Not applicable.

Investments

Evaluation status

Relevant, not yet calculated

Please explain

Other (upstream)

Evaluation status

Not relevant, explanation provided

Please explain

Not applicable.

Other (downstream)

Evaluation status

Not relevant, explanation provided

Please explain

Not applicable

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

0.0000069448

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

21,876

Metric denominator

unit total revenue

Metric denominator: Unit total

3,150,000,000

Scope 2 figure used

Location-based

% change from previous year

22.7

Direction of change

Decreased

Reason for change

Solar Panel project online; limited building use due to Covid pandemic and majority of population working from home.

C7. Emissions breakdowns

C7.1

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

No

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	869
Ireland	5
Singapore	2
India	12

C7.3

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

By facility

C7.3b

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

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
San Jose, CA	526	37.253023	-121.936298
Longmont, CO	343	40.133022	-105.143635
Dublin, Ireland	5	53.290596	-6.428944
Singapore	2	1.338161	103.965884
Hyderabad, India	12	17.44517	78.369702

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)
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United States of America	8,831			
Ireland	1,685			
Singapore	5,092			
India	5,381			

C7.6

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

By facility

C7.6b

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

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
San Jose, CA	3,162	
Longmont, CO	5,669	
Dublin, Ireland	1,685	
Singapore	5,092	
Hyderabad, India	5,381	

C7.9

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

Decreased

C7.9a

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

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	49	Decreased	0.182	Solar generation system installed in 2017 & 2020 with a zero emission factor for energy consumed at Corporate location in San Jose,

				CA. Reduction is equal to utility provided carbon emission factor.
Other emissions reduction activities				
Divestment				
Acquisitions				
Mergers				
Change in output				
Change in methodology				
Change in boundary				
Change in physical operating conditions				
Unidentified				
Other				

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?

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

C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)		5,091	5,091
Consumption of purchased or acquired electricity			56,315	56,315
Consumption of self-generated non-fuel renewable energy		1,436		1,436
Total energy consumption		1,436	61,406	62,842

C8.2b

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

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	No

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)

Natural Gas

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

4,930

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

Emission factor

11.7

Unit

lb CO2 per MWh

Emissions factor source

US Energy Information Administration

Comment

Fuels (excluding feedstocks)

Diesel

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

161

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

Emission factor

22

Unit

lb CO2 per gallon

Emissions factor source

US Energy Information Administration

Comment

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	9,879	9,573	1,742	1,436
Heat				
Steam				
Cooling				

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	No third-party verification or assurance
Scope 2 (location-based or market-based)	No third-party verification or assurance
Scope 3	No emissions data provided

C10.2

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

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

C11. Carbon pricing

C11.1

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

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

C11.2

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

No

C11.3

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

No, but we anticipate doing so in the next two years

C12. Engagement

C12.1

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

Yes, our suppliers

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

% total procurement spend (direct and indirect)

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

Rationale for the coverage of your engagement

We're ensuring our upstream partners meet our environmental standards by implementing a corporate social responsibility (CSR) survey to ensure that our top suppliers are aware of and following our strict guidelines while also confirming they are certified to the ISO 14001 EMS standards. We require our suppliers to complete an annual self-assessment describing the degree to which a supplier meets Xilinx's sustainability requirements which measures acceptance of Xilinx Code of Social Responsibility policy (following the RBA Code of Conduct), and compliance with:

Climate footprint policies (including CDP reporting)

Human rights policies

Anti-trust and corruption policies

Environment, health, and safety best-practices

A supplier must get a passing grade (higher than 50%) in each of the four sections to pass the self-assessment. Those who do not, will be asked to make improvements and provide an action plan with timetable by which those improvements will be met. The environmental standards are included in our annual evaluation of Supplier recognition.

Impact of engagement, including measures of success

100% of Level 1 (top suppliers) have responded to our survey and met the minimum reporting threshold.

Comment

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?

Trade associations

C12.3b

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

Yes

C12.3c

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

Trade association

Xilinx's CEO is on the board of the Semiconductor Industry Association (SIA) and Xilinx is a Charter Member.

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

The Semiconductor Industry Association (SIA) is the voice of the U.S. semiconductor industry, one of America's top export industries and a key driver of America's economic strength, national security, and global competitiveness. Semiconductors – microchips that control all modern electronics – enable the systems and products we use to work, communicate, travel, entertain, harness energy, treat illness, and make new scientific discoveries. The semiconductor industry directly employs nearly a quarter of a million people in the U.S. In 2017, U.S. semiconductor company sales totaled \$189 billion, and semiconductors make the global trillion dollar electronics industry possible. SIA seeks to strengthen U.S. leadership of semiconductor manufacturing, design, and research by working with Congress, the Administration and other key industry stakeholders to encourage policies and regulations that fuel innovation, propel business and drive international competition.

The U.S. semiconductor industry, one of the country's top export sectors, is responsible for a fraction of one percent of U.S. greenhouse gas (GHG) emissions, according to the EPA's most recent GHG Reporting Program data (2014). The EPA data shows that out of 5.7 million metric tons of carbon dioxide equivalents (mmt CO₂e) emitted by industrial facilities in the U.S., only 3,204 mmt CO₂e -- or 0.177 percent -- is emitted by electronics manufacturers, including semiconductor manufacturers. Most of the industry's emissions are associated with the use of fluorinated gases (F-gases) used in complex manufacturing processes, without which advanced semiconductor manufacturing is not technically feasible.

Although the industry contributes only a very small amount of GHG emissions, SIA and its members have been engaged in ongoing efforts to reduce these emissions.

- Under a Memorandum of Understanding (MOU) with EPA, SIA members voluntarily reported on their emissions of PFCs, a category of GHGs. Under this agreement, SIA members reduced their collective absolute US emissions of F-gases by more than 35% since 1995; and down 50% from their peak in 1999.
- SIA and its members have participated in the efforts of the World Semiconductor Council (WSC) to reduce emissions of PFCs. The global industry committed to a 10 percent reduction from a baseline year, and in 2011 the industry announced that it far surpassed t

How have you influenced, or are you attempting to influence their position?

The semiconductor industry is an acknowledged global leader in promoting environmental sustainability in the design, manufacture, and use of its products, as well as the health and safety of its operations and impacts on workers in semiconductor facilities (fabs). The Global EHS Director at Xilinx is involved in the EHS Committee of the SIA to understand and influence carbon reduction.

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?

Xilinx tracks this emission data for our major sites, including our corporate headquarters in San Jose, Colorado, Ireland, Singapore, and Hyderabad. Since 2005, Xilinx US Operations have been supporting clean, renewable energy generation by committing to purchase renewable energy certificates (RECs) as part of the United States Environmental Protection Agency's Climate Leader Program. In addition, we undertake a variety of direct and indirect actions, including energy conservation projects, sustainable building initiatives, and renewable energy use, to achieve GHG emission reduction results. We have set a new 10-year Carbon Reduction Goal of 25% percent reduction per headcount from 2016 to 2025, beginning with our baseline year of calendar year 2015.

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 voluntary sustainability report

Status

Underway – previous year attached

Attach the document

 Xilinx_Corporate Responsibility_2020.pdf

Page/Section reference

pages 33-34; pages 44-52

Content elements

Governance
 Strategy
 Risks & opportunities
 Emissions figures

Emission targets

Other metrics

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	Director, Global Environment Health & Safety	Environment/Sustainability manager

SC. Supply chain module

SC0.0

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

N/A

SC0.1

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

	Annual Revenue
Row 1	3,150,000,000

SC0.2

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

Yes

SC0.2a

(SC0.2a) Please use the table below to share your ISIN.

	ISIN country code (2 letters)	ISIN numeric identifier and single check digit (10 numbers overall)
Row 1		

SC1.1

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

SC1.2

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

SC1.3

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

Allocation challenges

Please explain what would help you overcome these challenges

SC1.4

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

Yes

SC1.4a

(SC1.4a) Describe how you plan to develop your capabilities.

SC2.1

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

SC2.2

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

No



SC4.1

(SC4.1) Are you providing product level data for your organization’s goods or services?

No, I am not providing data

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	No, I will complete the Supply Chain questions and return to submit them by the deadline shown on my dashboard. I understand that if I do not return to submit my additional Supply Chain questions by the deadline, they will not be submitted to customers.

Please confirm below

I have read and accept the applicable Terms