Welcome to your CDP Climate Change Questionnaire 2023

C0. Introduction

C0.1

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

Texas Instruments (TI) is a global semiconductor company that designs, manufactures, tests and sells analog and embedded processing chips. Our approximately 80,000 products help over 100,000 customers efficiently manage power, accurately sense and transmit data and provide the core control or processing in their designs, going into markets such as industrial, automotive, personal electronics, communications equipment and enterprise systems. With headquarters in Dallas, Texas, we have sites in more than 30 countries and have ~33,000 employees.

For decades, Texas Instruments has operated with a passion to create a better world by making electronics more affordable through semiconductors. This passion is alive today as we help our customers develop electronics and new applications, particularly in industrial and automotive markets. For many years, we've run our business with three overarching ambitions in mind: We will act like owners who will own the company for decades; we will adapt and succeed in a world that's ever changing; and we will be a company that we're personally proud to be a part of and would want as our neighbor. When we're successful in achieving these ambitions, our employees, customers, communities and shareholders all win.

Our commitment to being a good corporate citizen – including environmental, social and governance (ESG) and sustainability priorities –impacts our communities and the world in two ways.

• Our ambitions guide how we run our business and are foundational to ensuring that we operate in a sustainable, socially thoughtful and environmentally responsible manner. Central to these ambitions is a belief that in order for all stakeholders to benefit, the company must grow stronger over the long term.

• Semiconductors are and will continue to play a critical role in creating a better world and helping reduce environmental impacts. Semiconductors reduce energy consumption by making electric motors smarter and more efficient. They electrify vehicles for a cleaner environment and preserve

natural resources by sensing water and gas leaks. Our passion to make electronics more affordable through semiconductors is alive today, and is central to the growing list of the ways in which semiconductors help create a better world.

C0.2

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

Reporting year

Start date

January 1, 2022

End date

December 31, 2022

Indicate if you are providing emissions data for past reporting years

No

C0.3

(C0.3) Select the countries/areas in which you operate.

China
Germany
India
Japan
Malaysia
Mexico
Philippines
Taiwan, China
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.

Financial control

C0.8

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

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, a Ticker symbol	TXN

C1. Governance

C1.1

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

Yes

C1.1a

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

Position of individual or committee	Responsibilities for climate-related issues
Board Chair	Management, under the direction of the Board, sets policies and practices regarding the risks, challenges and opportunities facing the company, including environmental issues. The CEO, CFO and General Counsel/Chief Compliance Officer review the company's risk management process and assess the risks most relevant to the company. The CFO reviews the company's risk management process and relevant risks with the Audit Committee.
Board-level committee	The Board's Audit Committee oversees the company's risk assessment processes and environmental, safety and health (ESH) compliance efforts, specifically including environmental-related risk. The CFO reviews the company's risk management process and relevant risks with the Audit Committee. In addition, the Board's Governance and Stockholder Relations (GSR) Committee also oversees ESG matters in connection with its responsibility to review public issues of interest to company stakeholders.

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	Board oversight of ESG matters, including climate and sustainability issues, includes (1) establishing broad policies for guidance of the organization, (2) implementing those policies by delegation of authority and assigning responsibilities to Board committees, the CEO and other officers or employees as appropriate, and (3) monitoring and evaluating performance to assure that the stated policies are being followed. The Board's Audit Committee reviews the company's practices with respect to risk assessment and risk management, specifically including environmental-related risk. In addition, the Vice President responsible for Worldwide Facilities has specific responsibility for climate-related issues and provides risk assessments (inclusive of climate change) to the Audit Committee.

C1.1d

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

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues
Row 1	Yes	As noted in the company's 2023 proxy statement, ten of the company's directors have sustainability experience.

C1.2

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

Position or committee

Chief Executive Officer (CEO)

Climate-related responsibilities of this position

Managing climate-related risks and opportunities

Reporting line

Reports to the board directly

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

Annually

Please explain

At TI, enterprise and operational issues, including environmental issues, are monitored by the CEO and by the CFO and General Counsel/Chief Compliance Officer, both reporting to the CEO.

The CEO and CFO oversee the planning, development, and financial decision-making for the company, including capital and other expenditures

that may be used to address TI's environmental goals and strategy. The CFO also reviews the company's risk management process and relevant risks with the Audit Committee at least annually. In addition, the Vice President of Worldwide ESH, works with the CFO and the Senior Vice President of Technology and Manufacturing to develop the company's strategic plan and goals related to environmental issues. This strategic plan is then reviewed at least annually with the CEO and General Counsel/Chief Compliance Officer, and is monitored by the Audit Committee.

Position or committee

Chief Financial Officer (CFO)

Climate-related responsibilities of this position

Managing climate-related risks and opportunities

Reporting line

CEO reporting line

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

Annually

Please explain

At TI, enterprise and operational issues, including environmental issues, are monitored by the CEO and by the CFO, General Counsel/Chief Compliance Officer, and Senior Vice President of Technology and Manufacturing, all of whom report to the CEO.

Position or committee

Other C-Suite Officer, please specify

General Counsel/Chief Compliance Officer

Climate-related responsibilities of this position

Managing climate-related risks and opportunities

Reporting line

CEO reporting line

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

Annually

Please explain

At TI, enterprise and operational issues, including environmental issues, are monitored by the CEO and by the CFO, General Counsel/Chief Compliance Officer, and Senior Vice President of Technology and Manufacturing, all of whom report to the CEO.

Position or committee

Other, please specify

Senior Vice President of Technology and Manufacturing

Climate-related responsibilities of this position

Managing climate-related risks and opportunities

Reporting line

CEO reporting line

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

Annually

Please explain

At TI, enterprise and operational issues, including environmental issues, are monitored by the CEO and by the CFO, General Counsel/Chief Compliance Officer, and Senior Vice President of Technology and Manufacturing, all of whom report to the CEO.

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	No, and we do not plan to introduce them in the next two years	

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	TI applies a present to 3-year horizon to short-term climate-related assessments and strategies.
Medium-term	5	10	TI applies a 5 to 10-year horizon to medium-term climate-related assessments and strategies.
Long-term	10	30	TI applies a 10 to 30-year horizon to long-term climate-related assessments and strategies.

C2.1b

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

TI defines a substantive financial or strategic impact as anything that significantly affects the company's financial position or ability to manufacture or sell its products.

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

Every three years or more

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

As part of our business continuity program (BCP) and enterprise risk management programs, TI considers over 150 types of risks that could have a substantial impact on our financial position or operations, including those associated with environmental issues. Evaluation is conducted every three years and/or when significant events occur and/or as TI makes significant changes to its business environment.

The CFO also reviews the company's risk management process and relevant risks with the Audit Committee at least annually.

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	Understanding and complying with current regulations is critical to our business. We comply with applicable environmental regulations in the regions in which we operate. We routinely monitor environmental regulations and policies in the regions in which we operate to identify proposed revisions and amendments to such regulations and policies.
Emerging regulation	Relevant, always included	Our ESH, Government Relations and Law Departments routinely monitor emerging and proposed legislation, regulations, and policies in the regions in which we operate. This compliance readiness is part of our unwavering pledge to operate in accordance with applicable laws and regulations in the communities where we operate.
Technology	Relevant, always included	As technology needs change related to a low carbon economy we may face the following risks: 1. The need to retrofit our fabs with new technologies to reduce GHG emissions; 2. Increasing R&D costs; and 3. Rapidly evolving customer expectations and design needs. Our semiconductor products help our customers create electronics that are more efficient and consume less power, supporting our customers' sustainability initiatives and consumers' growing demand for energy-efficient products. Although we continue to make R&D investments to advance semiconductor technologies to further improve efficiency and reduce power consumption in our customers' products, our customers' needs may rapidly evolve, forcing us to quickly ramp up R&D and design efforts to remain competitive. TI is continually reviewing new technology to reduce our overall GHG emissions and enable a more efficient manufacturing process.
Legal	Relevant, always included	We routinely monitor climate-related litigation and other legal and policy developments to evaluate potential impact to our business.
Market	Relevant, always included	We invest R&D to develop semiconductor products that meet our customers' low carbon economy needs in several ways, including in: 1) low power consumption devices that make electronics more efficient, and 2) devices that enable electronic systems in high-growth, sustainability-related markets such as renewable energy systems, electric vehicles and related charging infrastructure, and many others. These investments, coupled with the increasing need in the market for the products in our portfolio reduce our market risk exposure.

Reputation	Relevant, always included	Reputational risks related to environmental issues are considered in our risk analysis.
Acute physical	Relevant, always included	We face potential acute physical risks and mitigate these types of risks by regularly reviewing plans and responses with senior leadership and implementing adaptation measures when appropriate. Additionally, our Facilities organization manages a cross-functional and disciplined BCP to ensure that we are ready to respond if needed.
Chronic physical	Relevant, always included	We face potential chronic physical risks and mitigate these types of risks by regularly reviewing plans and responses with senior leadership and implementing adaptation measures when appropriate. Additionally, our Facilities organization manages a cross-functional and disciplined BCP to ensure that we are ready to respond if needed.

C2.3

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

Yes

C2.3a

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

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical

Cyclone, hurricane, typhoon

Primary potential financial impact

Increased capital expenditures

Company-specific description

Throughout our organization, we have sites that may be subject to extreme weather events that may interrupt operations due to physical damage, employee accessibility, electricity or water disruptions or other factors. At these locations, we proactively take measures, as part of our risk assessment process, to limit and mitigate negative impacts. For example, we install back-up power sources and construct our buildings to sustain high wind speeds and flooding. Our BCP addresses preparing for and reacting to these risks and is updated regularly to limit damage and production interruptions.

Time horizon

Short-term

Likelihood

More likely than not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Explanation of financial impact figure

Any future financial impact is unknown at this point. Variables related to the increased severity and frequency of extreme weather events are unknown.

Cost of response to risk

Description of response and explanation of cost calculation

Any future financial impact is unknown at this point. Variables related to the increased severity and frequency of extreme weather events are unknown.

Comment

Any future financial impact is unknown at this point. Variables related to the increased severity and frequency of extreme weather events are unknown.

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Chronic physical

Temperature variability

Primary potential financial impact

Increased capital expenditures

Company-specific description

We manage chronic physical risks similarly to our acute physical risks. We continually adjust our business continuity risk assessment to identify and account for changes to administrative or engineering controls. Business continuity plans are continuously updated with lessons learned from events that occur.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Explanation of financial impact figure

Any future financial impact is unknown at this point. Variables related to changes in precipitation patterns and extreme variability in weather patterns are unknown.

Cost of response to risk

Description of response and explanation of cost calculation

Any future financial impact is unknown at this point. Variables related to changes in precipitation patterns and extreme variability in weather patterns are unknown.

Comment

Any future financial impact is unknown at this point. Variables related to changes in precipitation patterns and extreme variability in weather patterns are unknown.

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Reputation

Increased stakeholder concern or negative stakeholder feedback

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Company-specific description

Customer and investor interest in company strategies to address environmental sustainability issues may become increasingly important in investment and supplier selection decisions.

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Explanation of financial impact figure

Increased stakeholder concern or negative feedback could result in loss of market share or reputational risk. Due to the range in our investor base and other variables, exact impact is unknown.

Cost of response to risk

Description of response and explanation of cost calculation

Increased stakeholder concern or negative feedback could result in loss of market share or reputational risk. Due to the range in our investor base and other variables, exact impact is unknown.

Comment

Increased stakeholder concern or negative feedback could result in loss of market share or reputational risk. Due to the range in our investor base and other variables, exact impact is unknown.

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

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Returns on investment in low-emission technology

Company-specific description

We invest R&D to develop semiconductor products that address sustainability trends in several ways, including: 1) low power consumption devices that make electronics more efficient, and 2) in devices that enable electronic systems in high-growth, sustainability-related markets such as renewable energy systems, electric vehicles and related charging infrastructure, and many others.

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Explanation of financial impact figure

We have not calculated specific financial implications although the net financial implications represent an opportunity for TI due to increased customer demands for low-energy, high-efficiency products.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

TI evaluates and implements opportunities to enable low power and product efficiency as part of our normal business processes.

Comment

C3. Business Strategy

C3.1

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

Row 1

Climate transition plan

No, our strategy has been influenced by climate-related risks and opportunities, but we do not plan to develop a climate transition plan within two years

Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world and any plans to develop one in the future

The climate change scenario analysis completed in 2022 reinforced existing growth opportunities in markets featuring TI's low power products and in electric vehicle, charging infrastructure and solar power industries. In addition, TI has an ongoing strategy to reduce scope 1 and scope 2 GHG emissions. Our GHG emission reduction targets and renewable power strategies will meaningfully reduce TI's GHG emissions associated with our manufacturing footprint.

C3.2

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

	Use of climate-related scenario analysis to inform strategy
Row 1	Yes, qualitative and quantitative

C3.2a

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

Climate-related scenario	Scenario analysis coverage	Temperature alignment of scenario	Parameters, assumptions, analytical choices
Transition scenarios Bespoke	Company-wide	2.1ºC - 3ºC	TI has worked with a third-party to conduct a thorough climate-change scenario analysis, completed in 2Q2022. Scenarios modelled by the vendor included: - IEA NZE 2050 (1.5 C) - IEA SDS (1.65 C)

transition scenario			- IEA STEPS (2.5-3 C) The climate change scenario analysis reinforced existing growth opportunities in markets featuring TI's low power products and in the EV automotive and solar power industries. In addition, TI has an ongoing strategy to reduce scope 1 and scope 2 GHG emissions. Our GHG emission reduction targets and renewable energy strategies will meaningfully reduce TI's GHG emissions associated with our manufacturing footprint.
Physical climate scenarios Bespoke physical scenario	Company-wide	3.1ºC - 4ºC	TI has worked with a third-party to conduct a thorough climate-change scenario analysis, completed in 2Q2022. Scenarios modelled by the vendor included: - SSP 1 - RCP 2.6 (2 C) - SSP 3 - RCP 7.0 (4 C) The climate change scenario analysis reinforced existing growth opportunities in markets featuring TI's low power products and in the EV automotive and solar power industries. In addition, TI has an ongoing strategy to reduce scope 1 and scope 2 GHG emissions. Our GHG emission reduction targets and renewable energy strategies will meaningfully reduce TI's GHG emissions associated with our manufacturing footprint.

C3.2b

(C3.2b) Provide details of the focal questions your organization seeks to address by using climate-related scenario analysis, and summarize the results with respect to these questions.

Row 1

Focal questions

TI engaged with a third-party to conduct a climate change scenario analysis to better understand risks and opportunities associated with operations, future markets and reputation.

Results of the climate-related scenario analysis with respect to the focal questions

The climate change scenario analysis reinforced existing growth opportunities in markets that use TI's low power products and in the EV automotive and solar power industries. In addition, TI has an ongoing strategy to reduce scope 1 and scope 2 GHG emissions. Our GHG emission reduction targets and renewable power strategies will meaningfully reduce TI's GHG emissions associated with our manufacturing footprint.

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	We invest R&D to develop semiconductor products that address sustainability trends in several ways, including: 1) low power consumption devices that make electronics more efficient, and 2) in devices that enable electronic systems in high-growth, sustainability-related markets such as renewable energy systems, electric vehicles and related charging infrastructure, and many others.
Supply chain and/or value chain	Yes	For years, TI has taken steps to reduce GHG emissions in our operations, shipping and distribution, as well as through our supply chain. As a member of the Responsible Business Alliance (RBA), an industry coalition dedicated to corporate social responsibility in global supply chains, TI uses the RBA Code of Conduct (RBA Code) as a tool to align and adopt best practices on social, environmental and ethical responsibility – and we expect our suppliers to do the same. We evaluate conformance by performing both internal and third-party audits and risk assessments. These include RBA's standardized self-assessment questionnaire (SAQ) and validated audit process (VAP) tools, as well as internally developed assessments and audits. These tools help identify risk factors related to environmental issues. The output of this assessment is reviewed together by TI and the suppliers' management team.

Investment in R&D	Yes	The opportunities driving our investment in R&D are primarily dictated by customer needs and market trends. We see market opportunity associated with sustainability trends and invest in R&D to develop semiconductor products that address these trends in two ways: 1) low power consumption devices that make electronics more efficient, and 2) in devices that enable electronic systems in high-growth, sustainability-related markets such as renewable energy systems, electric vehicles and related charging infrastructure, and many others. We make significant investments in R&D to improve existing technology and products, develop new products to meet changing customer demands, and improve our production processes.
Operations	Yes	We have manufacturing, data and design facilities and other operations in locations that are subject to natural weather events. To mitigate these types of risks to our operations, we regularly review plans and responses with senior leadership and implement adaptation measures when appropriate. Additionally, we manage a cross-functional and disciplined BCP to ensure that we are ready to respond if needed. To reduce environmental risks and impact, we have implemented several significant changes in our operations to achieve year-on-year GHG emissions reductions. These activities include the installation of thermal point-of-use abatement devices that treat the exhaust of gases used in semiconductor manufacturing; tool upgrades that allow more efficient use of fluorinated gases, and purchasing renewable energy where available and cost-effective. We also continue to focus on eliminating nonessential fluorinated gases and reusing gases where possible. In 2020, we set a new goal to reduce absolute Scope 1 and 2 GHG emissions by 25% by 2025 using a 2015 base year.

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	Indirect costs Capital expenditures	Capital Expenditure: We take great care to reduce the environmental impacts of our operations worldwide. We have controls in place to use energy and water efficiently and minimize our GHG emissions. These reduction efforts and controls impact our capital expenditures and capital allocations. TI's environmental initiatives include water and waste recycling, developing new manufacturing technologies, using abatement devices and alternative chemicals, reusing chemicals, and eliminating nonessential uses of perfluoro-compounds (PFCs). The tools and equipment to manage these impacts are high cost and impact our capital expenditure budget. Indirect Cost: Indirect costs are part of our ongoing financial planning. We rely on third parties to supply us with goods and services in a cost-effective and timely manner. Our access to needed goods, raw materials and services may be adversely affected by disruptions in our suppliers' operations, which have the potential to drive costs up unexpectedly. We mitigate this risk by evaluating suppliers' financial health, their concentration in geographic areas and whether they are single-source providers. Our objective is to ensure that our procurement and supplier-management processes are rigorous enough to prevent ordering fulfilment problems, shipping delays, escalated costs or reputational issues. We require that suppliers maintain an appropriate business continuity plan in the event of a business interruption and make the contents of such plans available to us upon request or within 24 hours of a triggering incident.

C3.5

(C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition
Row 1	No, and we do not plan to in the next two years

C4. Targets and performance

C4.1

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

Absolute target

C4.1a

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

Target reference number

Abs 1

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Year target was set

2020

Target coverage

Company-wide

Scope(s)

Scope 1

Scope 2

Scope 2 accounting method

Market-based

Base year

2015

Base year Scope 1 emissions covered by target (metric tons CO2e)

1,300,352

Base year Scope 2 emissions covered by target (metric tons CO2e)

1,532,357

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

2,832,709

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

Target year

2025

Targeted reduction from base year (%)

25

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]

2,124,531.75

Scope 1 emissions in reporting year covered by target (metric tons CO2e)

1,112,034

Scope 2 emissions in reporting year covered by target (metric tons CO2e)

1,057,198

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

2,169,232

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

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

93.6879855997

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

In 2020, we established a 5-year GHG emissions-reduction goal to reduce absolute scope 1 and 2 GHG emissions by 25% between 2015 and 2025. Our target is company-wide and covers all reported scope 1 and scope 2 GHG emissions.

Plan for achieving target, and progress made to the end of the reporting year

We are committed to driving continuous improvement in our environmental sustainability performance. In order to further reduce our greenhouse gas emissions and improve energy efficiency, we are taking a variety of actions, including: upgrading factory tools, and adding additional layers of abatement technology to reduce scope 1 manufacturing process emissions. We also continue to look for further opportunities to secure more renewable energy throughout our footprint. Although we continued to ramp production globally throughout 2022, the above listed projects and activities have been key in tracking toward our goal and achieving continued GHG reductions versus our 2015 baseline.

C4.2

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

Other climate-related target(s)

C4.2b

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

Target reference number

Oth 1

Year target was set

2021

Target coverage

Company-wide

Target type: absolute or intensity

Intensity

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

Energy consumption or efficiency

MWh

Target denominator (intensity targets only)

unit of production

Base year

2015

Figure or percentage in base year

0

Target year

2022

Figure or percentage in target year

50

Figure or percentage in reporting year

28

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

56

Target status in reporting year

Underway

Is this target part of an emissions target?

This target is not part of our GHG goal.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions

Target coverage is TI worldwide manufacturing. The goal is to achieve a 50% reduction in energy per unit of production in relation to our 2015 baseline.

Plan for achieving target, and progress made to the end of the reporting year

TI actions to reduce energy consumption included completion of more than 200 energy reduction projects which saved over 50,000 MWh/year of energy use.

Target reference number

Oth 2

Year target was set

2012

Target coverage

Country/area/region

Target type: absolute or intensity

Intensity

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

Energy consumption or efficiency

million Btu

Target denominator (intensity targets only)

unit of production

Base year

2010

Figure or percentage in base year

0

Target year

2022

Figure or percentage in target year

50

Figure or percentage in reporting year

39.9

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

79.8

Target status in reporting year

Revised

Is this target part of an emissions target?

The U.S. Department of Energy's Better Building, Better Plants program goal is not part of our GHG goal.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions

TI set a goal in 2010 to reduce normalized primary energy per pattern at U.S. manufacturing sites by 25% by 2020 (from a 2010 base year) to meet the U.S. Department of Energy's Better Buildings, Better Plants program goal. Primary energy is the energy content found in natural sources, such as coal or other organic material, that has not been subject to any conversion or transformation process. TI based its DOE goal on 80% production capacity and adjusted calculations for the start-up and closure of its facilities. In addition, in 2019 we added a stretch goal of a 50% reduction over the same time period and through 2022 we remained focused on further reductions. By the end of 2022, we reduced energy intensity by 39.9%.

Plan for achieving target, and progress made to the end of the reporting year

We are committed to driving continuous improvement in our environmental sustainability performance. In order to further reduce our greenhouse gas emissions, we are taking a variety of actions to improve the energy efficiency of our manufacturing.

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*	0	0
Implementation commenced*	1	141,398
Implemented*	254	19,133
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)

2,300

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

Scope 2 (location-based)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

900,000

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

Payback period

4-10 years

Estimated lifetime of the initiative

11-15 years

Comment

Multiple sites implemented projects to replace fluorescent lights with LEDs.

Initiative category & Initiative type

Energy efficiency in buildings

Other, please specify

Compressed air system improvements and optimization

Estimated annual CO2e savings (metric tonnes CO2e)

1,900

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

Scope 2 (location-based)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

440,000

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

Payback period

1-3 years

Estimated lifetime of the initiative

11-15 years

Comment

This includes multiple projects to improve compressed air efficiency, including pressure optimization and leak repairs.

Initiative category & Initiative type

Energy efficiency in buildings

Other, please specify

Chilled water system optimization

Estimated annual CO2e savings (metric tonnes CO2e)

1,500

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

Scope 2 (location-based)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

393,000

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

Payback period

1-3 years

Estimated lifetime of the initiative

11-15 years

Comment

Multiple sites improved chilled water efficiency through projects like controls optimization and cooling tower replacement.

Initiative category & Initiative type

Non-energy industrial process emissions reductions

Other, please specify

Process equipment replacement and certification of point of use (POU) abatement systems

Estimated annual CO2e savings (metric tonnes CO2e)

141,398

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

Scope 1

Voluntary/Mandatory

Voluntary

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

0

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

Payback period

No payback

Estimated lifetime of the initiative

Ongoing

Comment

At various manufacturing locations, TI has implemented point of use (POU) abatement systems, confirming the destruction or removal efficiency (DRE) of fluorinated Greenhouse Gas abatement equipment which certifies that some compounds are destroyed in the manufacturing process or in abatement devices. In addition, TI continues to implement remote plasma clean (RPC) tool upgrades, which lower scope 1 GHG emissions.

Initiative category & Initiative type

Low-carbon energy consumption
Low-carbon electricity mix

Estimated annual CO2e savings (metric tonnes CO2e)

68,000

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

Scope 2 (location-based)
Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

0

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

Payback period

No payback

Estimated lifetime of the initiative

11-15 years

Comment

Contracts for future wind and solar energy supply for TI sites in North Texas.

Initiative category & Initiative type

Energy efficiency in buildings

Other, please specify

Numerous energy efficiency projects across all TI sites worldwide

Estimated annual CO2e savings (metric tonnes CO2e)

13,370

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

Scope 2 (location-based)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

3,446,000

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

Payback period

1-3 years

Estimated lifetime of the initiative

6-10 years

Comment

Multiple energy efficiency projects were completed globally through 2022.

C4.3c

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

Method	Comment
Dedicated budget for energy efficiency	Funding is set aside every year for implementing energy-efficiency and emissions-reductions projects. Projects are reviewed quarterly with senior management and are considered based on environmental and efficiency impact, site needs, cost and return on investment.
Dedicated budget for other emissions reduction activities	TI is committed to driving continuous improvement in our environmental sustainability performance. In order to further reduce our greenhouse gas emissions, we are taking a variety of actions, including: upgrading factory tools, adding additional layers of abatement technology and continuing to look for more opportunities to secure more renewable energy throughout our footprint.

C4.5

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

Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify

Low-power products

Type of product(s) or service(s)

Other

Other, please specify

Suite of low-power products designed to customer specifications

Description of product(s) or service(s)

We see market opportunity associated with sustainability trends and invest in R&D to develop semiconductor products that address sustainability trends in several ways, including: 1) low power consumption devices that make electronics more efficient, and 2) in devices that enable electronic systems in high-growth, sustainability-related markets such as renewable energy systems, electric vehicles and related charging infrastructure, and many others. We make significant investments in R&D to improve existing technology and products, develop new products to meet changing customer demands, and improve our production processes.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

No

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

C5. Emissions methodology

C5.1

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

No

C5.1a

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

Row 1

Has there been a structural change?

No

C5.1b

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

	Change(s) in methodology, boundary, and/or reporting year definition?
Row 1	No

C5.2

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

Scope 1

Base year start

January 1, 2015

Base year end

December 31, 2015

Base year emissions (metric tons CO2e)

1,300,352

Comment

Scope 2 (location-based)

Base year start
January 1, 2015

Base year end
December 31, 2015

Base year emissions (metric tons CO2e)
1,532,357

Comment

Scope 2 (market-based)

Base year start
January 1, 2015

Base year end
December 31, 2015

Base year emissions (metric tons CO2e)
1,532,357

Comment

C5.3

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

IEA CO2 Emissions from Fuel Combustion
IPCC Guidelines for National Greenhouse Gas Inventories, 2006
ISO 14064-1
Taiwan - GHG Reduction Act
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance
US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources
US EPA Mandatory Greenhouse Gas Reporting Rule

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

1,112,034

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

1,385,632

Scope 2, market-based (if applicable)

1,057,198

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source of excluded emissions

Leased sales offices and design centers that are smaller than 50,000 square feet are not included in our reporting boundary.

Scope(s) or Scope 3 category(ies)

Scope 2 (location-based)
Scope 2 (market-based)

Relevance of location-based Scope 2 emissions from this source

Emissions are relevant and calculated, but not disclosed

Relevance of market-based Scope 2 emissions from this source

Emissions are relevant and calculated, but not disclosed

Estimated percentage of total Scope 1+2 emissions this excluded source represents

1

Explain why this source is excluded

TI's small sales offices and design centers in total account for less than 1% of the company’s total Scope 1 and Scope 2 GHG emissions.

Explain how you estimated the percentage of emissions this excluded source represents

Emissions from small sites total an estimated 16,000 mTCO2e, or 0.74% of our total scope 1 + 2 emissions. TI has approximately 100 small sites less than 50,000 square feet, with an estimated total at <1% of overall emissions.

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

We have not assessed or calculated emissions in this category.

Capital goods

Evaluation status

Relevant, not yet calculated

Please explain

We have not assessed or calculated emissions in this category.

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

Evaluation status

Relevant, not yet calculated

Please explain

We have not assessed or calculated emissions in this category.

Upstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Please explain

We have assessed data from our top service providers, equivalent to approximately 90% of our spend in this category. We will continue our engagement with suppliers to ensure the most efficient and cost-effective modes of transportation and distribution are used.

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Please explain

To maximize the efficiency of the materials we purchase and reduce our potential environmental impact, we responsibly source materials and appropriately manage waste disposal. Our worldwide ESH standards require all sites to implement both engineering and administrative controls to reduce waste.

Business travel

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

13,171

Emissions calculation methodology

Supplier-specific method

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

100

Please explain

Business travel includes all TI employee business travel by commercial air, rail and car rentals, as captured and calculated by TI's global travel agency (with ~10% error of margin due to bookings made and exchanged or not travelled). Our 2022 emissions from air travel indicate a 84% increase on those reported the previous year, as employee travel has increased post-Covid-19.

Employee commuting

Evaluation status

Relevant, not yet calculated

Please explain

We do not currently track emissions associated with employee commuting.

Upstream leased assets

Evaluation status

Relevant, not yet calculated

Please explain

We have not assessed or calculated emissions in this category

Downstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Please explain

We have assessed data from our top service providers, equivalent to approximately 90% of TI spend in this category. Further review of our supplier data is needed.

Processing of sold products

Evaluation status

Relevant, not yet calculated

Please explain

TI designs and manufactures over 80,000 products, which are components incorporated into our customers' products. We have not assessed or calculated emissions in this category.

Use of sold products

Evaluation status

Relevant, not yet calculated

Please explain

TI designs and manufactures over 80,000 products, which are components incorporated into our customers' products. We have not assessed or calculated emissions in this category.

End of life treatment of sold products

Evaluation status

Relevant, not yet calculated

Please explain

Customers are responsible for how they use our products in their systems and how they manage their products’ end of life. We provide customers with detailed information about the substances used in our components to help them make informed decisions about end-of-life disposal of their products.

Downstream leased assets

Evaluation status

Relevant, not yet calculated

Please explain

We have not assessed or calculated emissions in this category.

Franchises

Evaluation status

Not relevant, explanation provided

Please explain

TI does not operate or authorize any franchises.

Investments

Evaluation status

Not relevant, explanation provided

Please explain

TI does not own investments that could be included in calculations of scope 3 emissions.

Other (upstream)

Evaluation status

Not relevant, explanation provided

Please explain

TI has not identified any additional upstream emissions.

Other (downstream)

Evaluation status

Not relevant, explanation provided

Please explain

TI has not identified any additional downstream emissions.

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

0.000108

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

2,169,232

Metric denominator

unit total revenue

Metric denominator: Unit total

20,030,000,000

Scope 2 figure used

Market-based

% change from previous year

0

Direction of change

No change

Reason(s) for change

Change in renewable energy consumption
Other emissions reduction activities
Change in output

Change in revenue

Please explain

Strategic GHG reduction activities across scope 1 and scope 2, including renewable contracts has significantly reduced our GHG emissions, despite significant increase in production.

Intensity figure

0.27

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

2,169,232

Metric denominator

unit of production

Metric denominator: Unit total

Scope 2 figure used

Market-based

% change from previous year

3.6

Direction of change

Decreased

Reason(s) for change

Change in renewable energy consumption
Other emissions reduction activities
Change in output

Please explain

Increase in production and increase in GHG reduction activities, and renewable contracts. The metric denominator (unit of production) is not disclosed here, as we consider this to be confidential business information. The intensity figure provided is a calculation of the normalized intensity number per chip for 2022.

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	123,542	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	67	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	37,592	IPCC Fourth Assessment Report (AR4 - 100 year)
HFCs	45,949	IPCC Fourth Assessment Report (AR4 - 100 year)
PFCs	734,338	IPCC Fourth Assessment Report (AR4 - 100 year)
SF6	80,389	IPCC Fourth Assessment Report (AR4 - 100 year)
NF3	90,157	IPCC Fourth Assessment Report (AR4 - 100 year)

C7.2

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

Country/area/region	Scope 1 emissions (metric tons CO2e)
China	7,321
Germany	19,194
Japan	118,848
Malaysia	956
Mexico	90
Philippines	1,486
Taiwan, China	33
United States of America	963,834
India	272

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)
Manufacturing	1,109,197
Assembly / Test and non-manufacturing	2,837

C7.5

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

Country/area/region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
China	111,558	2,269
Germany	37,607	71,940
India	9,429	9,429
Japan	121,008	121,008
Malaysia	149,040	149,040
Mexico	8,577	8,577
Philippines	248,713	0
Taiwan, China	75,489	75,489
United States of America	624,211	619,446

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)
Manufacturing	894,384	814,663
Assembly / Test and non-manufacturing	491,248	242,535

C7.7

(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Yes

C7.7a

(C7.7a) Break down your gross Scope 1 and Scope 2 emissions by subsidiary.

Subsidiary name

Bagmane Technology Park (BTP)

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

272

Scope 2, location-based emissions (metric tons CO2e)

9,429

Scope 2, market-based emissions (metric tons CO2e)

9,429

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions

Subsidiary name

Texas Instruments de Mexico S. de R.L. de C.V.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

90

Scope 2, location-based emissions (metric tons CO2e)

8,577

Scope 2, market-based emissions (metric tons CO2e)

8,577

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions

Subsidiary name

Texas Instruments Electronics Malaysia Sdn. Bhd.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

956

Scope 2, location-based emissions (metric tons CO2e)

61,321

Scope 2, market-based emissions (metric tons CO2e)

61,321

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions

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Subsidiary name

TI Deutschland GmbH

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

19,194

Scope 2, location-based emissions (metric tons CO2e)

37,607

Scope 2, market-based emissions (metric tons CO2e)

71,940

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions

Subsidiary name

Texas Instruments Japan Limited

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

118,848

Scope 2, location-based emissions (metric tons CO2e)

121,008

Scope 2, market-based emissions (metric tons CO2e)

121,008

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions

Subsidiary name

Texas Instruments Malaysia Sdn. Bhd.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

0

Scope 2, location-based emissions (metric tons CO2e)

87,719

Scope 2, market-based emissions (metric tons CO2e)

87,719

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions.

Subsidiary name

Texas Instruments Semiconductor Manufacturing (Chengdu) Co., Ltd.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

7,321

Scope 2, location-based emissions (metric tons CO2e)

109,319

Scope 2, market-based emissions (metric tons CO2e)

0

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions.

Subsidiary name

Texas Instruments Semiconductor Technologies (Shanghai) Co., Ltd.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

0

Scope 2, location-based emissions (metric tons CO2e)

2,269

Scope 2, market-based emissions (metric tons CO2e)

2,269

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions.

Subsidiary name

Texas Instruments Taiwan Limited

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

33

Scope 2, location-based emissions (metric tons CO2e)

75,489

Scope 2, market-based emissions (metric tons CO2e)

75,489

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions.

Subsidiary name

TI (Philippines), Inc.

Primary activity

Electronic components

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

Scope 1 emissions (metric tons CO2e)

1,486

Scope 2, location-based emissions (metric tons CO2e)

248,713

Scope 2, market-based emissions (metric tons CO2e)

0

Comment

GHG emissions for all TI subsidiaries are always included as part of TI global emissions.

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 in emissions	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	6,450	Decreased	0.3	Renewable energy increased by 18,794 MWh compared to 2021.
Other emissions reduction activities	19,000	Decreased	0.9	Includes multiple emissions reduction activities
Divestment				
Acquisitions				
Mergers				

Change in output	110,093	Increased	5.3	Increase in production load, and including production ramping at our Richardson, Texas fab, and a full year of consumption at our fab in Lehi, Utah.
Change in methodology				
Change in boundary				
Change in physical operating conditions				
Unidentified				
Other	1,924	Increased	0.1	All other changes

C7.9b

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

Market-based

C8. Energy

C8.1

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

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

C8.2

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

	Indicate whether your organization undertook this energy-related activity in the reporting year

Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	Yes
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)	0	667,220	667,220
Consumption of purchased or acquired electricity		526,332	2,537,608	3,063,940
Consumption of purchased or acquired heat		0	15,595	15,595
Total energy consumption		526,332	3,220,423	3,746,755

C8.2b

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

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes

Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	Yes
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.

Oil

Heating value

HHV

Total fuel MWh consumed by the organization

3,457

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Gas

Heating value

HHV

Total fuel MWh consumed by the organization

606,393

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

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

Heating value

Total fuel MWh consumed by the organization

57,370

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

Includes jet fuel, propane, LPG, diesel, and gasoline.

Total fuel

Heating value

HHV

Total fuel MWh consumed by the organization

667,220

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

Comment

C8.2e

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

Country/area of low-carbon energy consumption

China

Sourcing method

Physical power purchase agreement (physical PPA) with a grid-connected generator

Energy carrier

Electricity

Low-carbon technology type

Large hydropower (>25 MW)

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

157,158

Tracking instrument used

Contract

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

China

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

No

Comment

Country/area of low-carbon energy consumption

Philippines

Sourcing method

Physical power purchase agreement (physical PPA) with a grid-connected generator

Energy carrier
Electricity

Low-carbon technology type
Geothermal

Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
350,456

Tracking instrument used
Contract

Country/area of origin (generation) of the low-carbon energy or energy attribute
Philippines

Are you able to report the commissioning or re-powering year of the energy generation facility?
No

Comment

C8.2g

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

Country/area
China

Consumption of purchased electricity (MWh)
157,158

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

157,158

Country/area

Germany

Consumption of purchased electricity (MWh)

113,778

Consumption of self-generated electricity (MWh)

0

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

15,285

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

0

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

129,063

Country/area

India

Consumption of purchased electricity (MWh)

12,440

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

12,440

Country/area

Japan

Consumption of purchased electricity (MWh)

253,387

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

253,387

Country/area

Malaysia

Consumption of purchased electricity (MWh)

214,195

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

214,195

Country/area

Mexico

Consumption of purchased electricity (MWh)

18,929

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

18,929

Country/area

Philippines

Consumption of purchased electricity (MWh)

350,456

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

350,456

Country/area

Taiwan, China

Consumption of purchased electricity (MWh)

125,069

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

125,069

Country/area

United States of America

Consumption of purchased electricity (MWh)

1,453,306

Consumption of self-generated electricity (MWh)

0

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

0

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

0

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

1,453,306

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	No emissions data provided

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

2022 Texas Instruments Assurance Statement_ 06.02.2023.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISAE3000

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 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

2022 Texas Instruments Assurance Statement_ 06.02.2023.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

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

2022 Texas Instruments Assurance Statement_ 06.02.2023.pdf

Page/ section reference

Pages 1-2

Relevant standard

ISAE3000

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?

No, we do not verify any other climate-related information reported in our CDP disclosure

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 canceled any project-based carbon credits within the reporting year?

No

C11.3

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

No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

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

Yes, our suppliers

C12.1a

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

Type of engagement

Other, please specify

Collecting information from suppliers to understand behavior.

Details of engagement

% 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

TI is collecting information from major suppliers.

Impact of engagement, including measures of success

We are in the process of evaluating and calculating the value chain emissions that are significant to TI.

Comment

We are in the process of evaluating and calculating the value chain emissions that are significant to TI in line with the Corporate Value Chain (scope 3) Accounting and Reporting Standard (a supplement to the GHG Protocol Corporate Accounting and Reporting Standard).

C12.2

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

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

C12.3

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

Row 1

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

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

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

No, and we do not plan to have one in the next two years

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

The company objectives are shared with TI consortia participants to represent and seek alignment with the consortia. If new or different positions are being pursued by the consortia, those are reviewed with TI leaders for alignment consideration that is then used by the TI participants.

C12.3b

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

Trade association

Other, please specify

Semiconductor Industry Association (SIA)

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

Consistent

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

No, we did not attempt to influence their position

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

The SIA's position is stated online: https://www.semiconductors.org/issues/environment/environment_safety_health/.

TI is also an active member of the Semiconductor Industry Associations in China (CSIA), Europe (ESIA), Chinese Taipei (SIACT) with similar supporting positions through the World Semiconductor Council WSC as stated online: https://www.semiconductorcouncil.org/.

Yes, we have evaluated, and it is aligned with parts of the Paris Agreement.

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

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

Yes, we have evaluated, and it is aligned

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

Complete

Attach the document

Please refer to our Corporate Citizenship Report.docx

Page/Section reference

Pages 7-11, 42.

Content elements

Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

C12.5

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

	Environmental collaborative framework, initiative and/or commitment

Row 1	We are not a signatory/member of any collaborative framework, initiative and/or commitment related to environmental issues

C15. Biodiversity

C15.1

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

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues
Row 1	No, and we do not plan to have both within the next two years

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity
Row 1	No, and we do not plan to do so within the next 2 years

C15.3

(C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

Impacts on biodiversity

Indicate whether your organization undertakes this type of assessment

No and we don’t plan to within the next two years

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment

No and we don't plan to within the next two years

C15.4

(C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?

Not assessed

C15.5

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

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?
Row 1	No, and we do not plan to undertake any biodiversity-related actions

C15.6

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

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	No	

C15.7

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

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located

C16. Signoff

C-FI

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

C16.1

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

	Job title	Corresponding job category
Row 1	Vice President, Worldwide Environmental, Safety and Health	Environment/Sustainability manager

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