Terex Corporation - Climate Change 2021

C0. Introduction

C0.1

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

Terex is a global manufacturer of lifting and material processing products and services that deliver lifecycle solutions to maximize customer return on investment. The Company delivers lifecycle solutions to a broad range of industries, including construction, infrastructure, manufacturing, shipping, transportation, refining, energy, utility, quarrying and mining. We report in three business segments: (i) Aerial Work Platforms ("AWP"); (ii) Materials Processing ("MP"); and (iii) Corporate and Other ("Corp and Other").

Our Company was incorporated in Delaware in October 1986 as Terex U.S.A., Inc. Since then, Terex has changed significantly due to the acquisitions and management of its portfolio of companies by divestiture of non-core businesses and products. The company achieved net sales of $3.08 billion in 2020. Terex continues to focus on becoming an industry leading operating company. Our business is international in scope, with our products manufactured in North and South America, Europe, Australia and Asia and sold worldwide.

As we continue to expand our global operations, we also continue to improve our accounting of greenhouse gas (GHG) emissions. This is important to Terex because of increasing regulations as well as expected public disclosure and transparency of GHG emissions. Ultimately, understanding our GHG emissions, and the factors which significantly affect the rates of GHG emissions, is fundamental to Terex in order to consider eventual efforts to implement mitigation measures within the operations.

C0.2

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

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

C0.3

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

Australia
Brazil
China
France
Germany
India
Italy
Malaysia
Netherlands
Republic of Korea
Singapore
Spain
Sweden
Switzerland
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
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
Chief Executive Officer (CEO)	CEO is responsible for climate-change strategy and review of the Global ESG Emission and energy consumption reduction targets, including actions to improve climate-related performance.

C1.1b

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

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – some meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action	<Not Applicable>	The Board has ESG oversight which includes climate-related risks. The individual with this responsibility is the CEO. In addition, Terex is developing a sustainability committee to support improvement of climate-change initiatives.

C1.2

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

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

The CEO's responsibilities include the oversight and ownership for Terex's climate change strategy and review of key performance indicators, including actions to improve climate-related performance. The CEO leads Terex's Executive Leadership Team (ELT), which sets Terex's commitment to Corporate Responsibility and Sustainability. The Senior Director, Global Health, Safety and Environment attends meetings of the Terex Executive Leadership Team (ELT) and ensures the CEO's and ELT's plans are being fulfilled at facility level by measuring and monitoring GHG data. Terex monitors climate change issues by reviewing its existing list of risks and opportunities and board member introduction of additional issues as they are identified.

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	Terex endeavors to reduce energy use and GHG emissions with targeted initiatives at specific facilities. This approach has successfully achieved reductions. Currently, Terex has no plans to introduce incentives for managing climate-related issues.

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	5	These are the time horizons recommended by the SBTi for short-term, medium-term, and longer-term targets. Terex has similar definition.
Medium-term	5	15	These are the time horizons recommended by the SBTi for short-term, medium-term, and longer-term targets. Terex has similar definition.
Long-term	15	30	These are the time horizons recommended by the SBTi for short-term, medium-term, and longer-term targets. Terex has similar definition.

C2.1b

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

Terex has various processes within Company for the identification and evaluation of risk and opportunities, including in connection with safety and environmental risk. Terex considers a number of factors when considering whether a risk or opportunity presents a substantive financial or strategic impact on its business. These factors include, but are not limited to, impacts on its financial statements (such as a charge to earnings or liability on its balance sheet), cash flow impacts, compliance with laws and regulations, ability to continue to operate the business or some portion of business, impact to Company's reputation or brands and impact to its team members and the community.

C2.2

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

Value chain stage(s) covered

Direct operations
Upstream

Risk management process

A specific climate-related risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term

Description of process

i) Terex published its first ESG report at the end of 2020. The ESG report covers Terex's short-plan and Terex aims to incorporate ESG risks and opportunities into its management routines. For example, Terex had established a sustainability committee that reports to its board of directors. The sustainability committee has been evaluating a sustainability standards and guidance such as SASB and TCFD to evaluate a climate risk management and sustainability reporting approach that will fit best with their business and with their medium-term plans. The committee will then identify, assess and respond to climate related risks and opportunities as well as increase engagement with stakeholders. Terex is also evaluating external goals for aligning with SASB and developing science-based targets. ii) Terex is in the early development of its climate-related risk management process, but already has identified that physical climate-related risks are important to consider, such as interruptions in production from changes in precipitation patterns and extreme variability in weather patterns iii) Terex is in the early development of its climate-related risk management process, but already has identified that transition climate-related risks are important to consider, such as enhanced emissions-reporting obligations to the UK Streamlined Energy & Carbon Reduction Commitment (SERC).

C2.2a

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Current climate-related regulations, such as the EU Emissions Trading Scheme (ETS), are relevant to Terex. A total of 27 countries are involved, including the United Kingdom (UK), Germany, Italy, and Hungary, where Terex facilities are located. The EU ETS is currently in Phase IV. Currently only emissions of CO2 are covered, except in the Netherlands which also regulates N2O; changes to include other GHGs are expected in Phase IV. Current estimates for each of Terex' facilities in EU ETS countries are below the applicable thresholds.
Emerging regulation	Relevant, always included	Emerging climate-related regulations, such as GHG emissions reporting, are relevant to Terex. Terex considers it possible that some of its facilities may in the future be increasingly subject to mandatory GHG emissions reporting in the countries where those facilities operate. However, based on the efforts that Terex has made to date to develop a GHG emissions inventory, if such regulations do become applicable, Terex does not consider the potential impact to be significant based on the current level of emissions.
Technology	Relevant, always included	Technology risks, such as low carbon products, are relevant to our business. We are increasing production of products that have lower greenhouse gas emissions in response to both regulatory initiatives and anticipated market demand trends. For example, the newest diesel engine emission reduction program introduced in Europe, known as Stage V or Tier 5, is driving further engine emissions related product development. Our segments also offer products that use plug-in electric hybrid technology to save fuel, reduce emissions and reduce noise in residential areas.
Legal	Relevant, always included	Legal risks, such as failure to comply with environmental regulations, are relevant to our business. Failure to comply with environmental regulations such as EU ETS could result in fines and penalties.
Market	Relevant, always included	Market risks, such as changes in commodity prices due to climate change, are relevant to our business. We actively manage our material supply sourcing and employ various methods to limit risk associated with commodity cost fluctuations and availability. We design and implement plans to mitigate the impact of these risks by using alternate suppliers, expanding our supply base globally, leveraging our overall purchasing volumes to obtain favourable pricing and quantities, developing a closer working relationship with key suppliers and purchasing hedging instruments to partially offset anticipated exposures. One key element of our strategy is to focus on strategic sourcing to gain efficiencies using our global purchasing power.
Reputation	Relevant, always included	Reputation risks related to climate-change are relevant to our business. There is an increased focus, including by governmental and non-governmental organizations, investors and other stakeholders, on these and other sustainability matters. Maintaining a strong reputation with customers, investors, stakeholders and trade partners is critical to the success of our business. We devote significant time and resources to programs that are consistent with our corporate values and are designed to protect and preserve our reputation as a good corporate citizen. Any perception (whether or not valid) of our failure to act responsibly with respect to the environment or to effectively respond to new, or changes in, legal or regulatory requirements concerning climate change or other sustainability concerns could adversely affect our business and reputation.
Acute physical	Relevant, always included	Acute physical risks, such as extreme weather events, are relevant to our business. We produce most of our machines for each product type at one manufacturing facility. If operations at a significant facility were disrupted as a result of equipment failures, natural disasters, health epidemics, work stoppages, power outages or other reasons, our business, financial conditions and results of operations could be adversely affected. Interruptions in production could increase costs and delay delivery of units in production. Production capacity limits could cause us to reduce or delay sales efforts until production capacity is available.
Chronic physical	Relevant, always included	Chronic physical risks, such as such as unpredictable weather events, are relevant to our supply chain. Delays in our suppliers' abilities, especially any sole suppliers for a particular business, to provide us with necessary materials and components may delay production at a number of our manufacturing locations or may require us to seek alternative supply sources. Delays in obtaining supplies may result from a number of factors affecting our suppliers, including weather emergencies. Any delay in receiving supplies could impair our ability to deliver products to our customers and, accordingly, could have a material adverse effect on our business, results of operations and financial condition. Current and potential suppliers are evaluated regularly on their ability to meet our requirements and standards. We design and implement plans to mitigate the impact of these risks by using alternate suppliers, expanding our supply base globally, leveraging our overall purchasing volumes to obtain favourable pricing and quantities, developing a closer working relationship with key suppliers and purchasing hedging instruments to partially offset anticipated exposures. One key element of our strategy is to focus on strategic sourcing to gain efficiencies using our global purchasing power.

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

Emerging regulation	Enhanced emissions-reporting obligations

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Terex considers it possible that some of its facilities may in the future be increasingly subject to mandatory GHG emissions reporting in the countries where those facilities operate. However, based on the efforts that Terex has made to date to develop a GHG emissions inventory, if such regulations do become applicable, Terex does not consider the potential impact to be significant based on the current level of emissions.

Time horizon

Short-term

Likelihood

Very likely

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

0

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

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

Explanation of financial impact figure
Financial implications are estimated as $0 as our current level of emissions does not currently require regulatory action.

Cost of response to risk
18000

Description of response and explanation of cost calculation
Terex has developed a GHG emissions inventory to manage the risk of regulatory action. For example, we have an internal data system in which Terex locations input their energy usage. This data is reviewed to analyze energy usage and regulatory risk. Terex spends up to $18,000 on consulting costs to maintain its GHG emissions inventory.

Comment
No additional comments.

Identifier
Risk 2

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

Risk type & Primary climate-related risk driver

Current regulation	Carbon pricing mechanisms

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
Countries in the EU have implemented the EU Emissions Trading Scheme (ETS), an emissions cap-and-trade program. A total of 27 countries are involved, including the United Kingdom (UK), Germany, and Italy, where Terex facilities are located. The EU ETS is currently in Phase IV. Currently only emissions of CO2 are covered, except in the Netherlands which also regulates N2O; changes to include other GHGs are expected in Phase IV. Current estimates for each of Terex' facilities in EU ETS countries are below the applicable thresholds.

Time horizon
Short-term

Likelihood
More likely than not

Magnitude of impact
Low

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

Potential financial impact figure (currency)
0

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

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

Explanation of financial impact figure
Financial implications are estimated as $0 as our current level of emissions does not currently require regulatory action.

Cost of response to risk
18000

Description of response and explanation of cost calculation
Terex has developed a GHG emissions inventory to manage the risk of regulatory action. For example, we have an internal data system in which Terex locations input their energy usage. This data is reviewed to analyze energy usage and regulatory risk. Terex spends up to $18,000 on consulting costs to maintain its GHG emissions inventory.

Comment
No additional comments.

Identifier
Risk 3

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

Risk type & Primary climate-related risk driver

Current regulation	Enhanced emissions-reporting obligations

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
In the UK, Terex facilities are subject to the Carbon Reduction Commitment (CRC). The CRC is a mandatory scheme aimed at improving energy efficiency and cutting emissions in large public and private sector organizations. 2019 was the last reporting year for this particular scheme. However, it will be replaced with the Simplified Energy and Carbon Reporting (SECR) Legislation for 2020 reporting year. SECR is designed to be simpler and align with existing reporting mechanisms such as mandatory reporting of greenhouse gas emissions. UK Terex facilities will continue to report in line with the new legislation. In Australia, the National Greenhouse and Energy Reporting (NGER) Act of 2007 establishes a national system for reporting greenhouse gas emissions, energy consumption and production by corporations from July 1, 2008. Key features of the NGER Act are reporting of GHG emissions, energy consumption and production by large corporations. The regulation applies at a threshold of 25,000 tonnes of CO2 per year. Current estimates for Terex facilities in Australia are below this threshold.

Time horizon
Short-term

Likelihood
Likely

Magnitude of impact
Low

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

Potential financial impact figure (currency)
0

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

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

Explanation of financial impact figure
Financial implications are estimated as $0 as our current level of emissions does not currently require regulatory action.

Cost of response to risk
18000

Description of response and explanation of cost calculation
Terex has developed a GHG emissions inventory to manage the risk of regulatory action. For example, we have an internal data system in which Terex locations input their energy usage. This data is reviewed to analyze energy usage and regulatory risk. Terex spends up to $18,000 on consulting costs to maintain its GHG emissions inventory.

Comment
No additional comments.

Identifier
Risk 4

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

Risk type & Primary climate-related risk driver

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

Primary potential financial impact
Decreased revenues due to reduced production capacity

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

Company-specific description
Terex is aware that the effect on weather patterns is a major focal point of study relative to climate change, and that some study results indicate the potential for sea level increases and increased frequency of severe weather phenomena such as abnormally deep snowfalls, flooding, storms with very high winds, and extreme high temperatures. Terex understands that such phenomena could impact the company both directly and indirectly. However, a determination of specific risks that these phenomena may pose to Terex is significantly beyond the scope of the current GHG emissions management and sustainability programs initiated by the company.

Time horizon
Long-term

Likelihood
More likely than not

Magnitude of impact
Medium

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

Potential financial impact figure (currency)
0

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

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

Explanation of financial impact figure
Over the past several years, our business has become less seasonal as we have grown and diversified our product offerings and expanded the geographic reach of our products. As we enter 2020, we expect the overall economic environment will affect our sales more than historical seasonal trends and our estimated financial implication will be $0.

Cost of response to risk
0

Description of response and explanation of cost calculation
Terex manages this risk by diversifying our product offerings and geographic reach of our products. For example, in 2020 we sold products in over 100 countries. No additional management costs ($0) incurred.

Comment
No additional comments.

Identifier
Risk 5

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

Risk type & Primary climate-related risk driver

Technology	Transitioning to lower emissions technology

Primary potential financial impact
Other, please specify (Increased production costs due to changing input prices (e.g., energy, water) and output requirements (e.g., waste treatment))

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

Company-specific description
Terex considers the availability and cost of energy a significant risk associated with climate change, with potential significant impact to the company's global manufacturing operations. Based on the efforts that Terex has made to date to develop a GHG emissions inventory, it is evident that energy consumption, including both fuel and electricity use, is the key issue pertaining to climate change for Terex' manufacturing operations. Terex does not currently consume energy from renewable sources, beyond those that are integrated in the electric power grids that serve Terex' facilities. Most of Terex' energy supply involves fossil fuel combustion. To the extent that actions on the regulatory and other levels will be taken to reduce fossil fuel combustion as a means of addressing climate change, this will impact Terex.

Time horizon
Medium-term

Likelihood
Very likely

Magnitude of impact
Low

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

Potential financial impact figure (currency)
0.01

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

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

Explanation of financial impact figure
Requirements to purchase renewable energy credits could increase energy costs $0.01/MWh according to the U.S. Department of Energy.

Cost of response to risk
1179102

Description of response and explanation of cost calculation
Terex implements energy efficiency projects to reap energy efficiency and cost benefits. For example, in 2020 Terex implemented the following projects: 1. In Ballymoney, Installations of LED costs about $102,800 US. 2. Umbertide, installation of the photovoltaic panels on building costs about $161,900 US. 3. Hosur, upgrading the lights to LED lights costs about $12,800 US. 4. Moses Lake, lighting upgrade costs about $901,602 US.

Comment
No additional comments.

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
Increased revenues resulting from increased demand for products and services

Company-specific description
The regulatory drive toward energy sources with lower carbon intensity creates a potential demand for services to construct and maintain those energy sources. Such areas as wind energy, solar, geothermal, and biomass will require construction equipment to install and maintain. Terex could see a benefit from the regulatory drive toward these energy sources.

Time horizon
Medium-term

Likelihood
About as likely as not

Magnitude of impact
Medium-low

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
0

Potential financial impact figure – maximum (currency)
30764000

Explanation of financial impact figure
Terex estimates low carbon products could increase 0 – 1% of net sales.

Cost to realize opportunity
0

Strategy to realize opportunity and explanation of cost calculation
We are increasing production of products that have lower greenhouse gas emissions in response to both regulatory initiatives and anticipated market demand trends. For example, the newest diesel engine emission reduction program introduced in Europe, known as Stage V or Tier 5, is driving further engine emissions related product development. Our segments also offer products that use plug-in electric hybrid technology to save fuel, reduce emissions and reduce noise in residential areas. No additional management costs ($0) incurred.

Comment
No additional comments.

Identifier
Opp2

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Shift in consumer preferences

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

Company-specific description
Extreme weather conditions could provide adverse conditions for our customers' customers, which could increase demand for Terex Parts & Services, especially in our Utilities business.

Time horizon
Short-term

Likelihood
About as likely as not

Magnitude of impact
Medium-low

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

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
0

Potential financial impact figure – maximum (currency)
30764000

Explanation of financial impact figure
We estimate that demand could increase 0 – 1% of net sales.

Cost to realize opportunity
0

Strategy to realize opportunity and explanation of cost calculation
We manage this opportunity by providing equipment and services to our customers to help them in less desirable weather. For example, we have mobile field services and service offices in 20 cities. No additional management costs ($0) incurred.

Comment
No additional comments.

Identifier
Opp3

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
Terex facilities, in the UK and EU, participated in Energy audits which resulted in recommendations for energy reduction projects. For rest of the facilities, Terex proposed that the near-term potential for impact on the availability and cost of energy to be considered and to be reviewed for next year.

Time horizon
Medium-term

Likelihood
Likely

Magnitude of impact
Medium-high

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

Potential financial impact figure (currency)
213871

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

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

Explanation of financial impact figure
In 2020, Terex estimates that saved over $200,000 USD from energy reduction projects. For example, in 2020 Terex implemented a project to replace all existing lighting with LED lights both in the offices and in the production departments in the Ballymoney facility. Implementation of energy projects such as lighting replacement saved Terex approximately 29,912 USD. In Umbertide, Terex implemented Photovoltaic panels to produce electricity. The cost associated with this project was estimated to be 58,161 USD. In Moses Lake, the High Bay Lighting Upgrade project (V3 and V4 were completed) and the cost was estimated to be 125,798 USD.

Cost to realize opportunity
0

Strategy to realize opportunity and explanation of cost calculation
Terex implements energy efficiency projects to reduce energy consumption No additional management costs ($0) were incurred.

Comment
No additional comments.

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?

Yes

C3.1b

(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	No, we do not intend to publish a low-carbon transition plan in the next two years	<Not Applicable>	

C3.2

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

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

C3.2b

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

Terex was not able to use climate-related scenario analysis to inform its business strategy because Terex is currently evaluating the potential scenarios and different methods. Terex is measuring and responding to climate risk via different methods. Terex recognizes shifts in global markets and technological trends including a reduced market demand for higher-carbon products and increased demand for energy efficient, lower carbon products and services. It is evident that the fuel-efficient product, alongside an energy efficient service and operation, is more and more important. Terex has formed a Sustainability team and has introduced intermediate steps towards setting long term carbon reduction objectives. These include Internal Company targets to assist Terex in the reduction of its Global Energy and Emissions. Terex is currently evaluating a variety of reporting structures and will select the one that best suits our industry and gives a high degree of visibility into our carbon reduction journey. The structures include Expansion of electric/hybrid products, Genie Electric Drive Scissor, Finlay Hybrid Jaw Crusher, Utilities HyPower Hybrid Solution, Implementing efficient solutions at our plants.

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	i)We have identified several product lines that have been influenced in the short-term, including climate mitigation enhancements. ii)Our most substantial strategic decision to date has been to develop Tier 4 and 5 compliant diesel engine equipped products, utility trucks that use plugin electric hybrid technology to save fuel, reduce emissions and reduce noise in residential areas and hybrid drive diesel hydraulic and diesel electric systems on port equipment products. This decision has not been informed by climate-related scenario analysis, but rather by customer preferences and regulatory changes, which may have been informed by climate-related scenario analysis.
Supply chain and/or value chain	Yes	i)Our strategy toward our customers has been influenced in the short-term to help customers adapt to climate change effects. Ii)We provide equipment to our customers that have been impacted by severe weather, which in some cases may have been exacerbated by climate change effects. Our most substantial strategic decision to date has been to communicate our readiness to supply our customers with relevant equipment to severe weather events. This decision has not been informed by climate-related scenario analysis, but rather by customer needs that have been influenced by climate change effects.
Investment in R&D	Yes	i)Our strategy toward R&D has been influenced in the short term related to climate mitigation efforts. ii)Our most substantial strategic decision to date has been to develop low carbon products to our customers. This decision has not been informed by climate-related scenario analysis, but rather by customer preferences and regulatory changes, which may have been informed by climate-related scenario analysis.
Operations	Yes	i)Our strategy toward operations has been influenced in the short term related to climate mitigation efforts. ii)Our most substantial strategic decision to date has been to implement energy- and GHG-reducing projects in our plants, which have also reduced our operating costs. This decision has not been informed by climate-related scenario analysis, but rather by prioritizing projects that have the highest financial return on investment.

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	Revenues Indirect costs Assets	i)Climate-related opportunity has influenced our revenue planning. For example, Tier 4 and Tier 5 compliant diesel engine equipped products; utility trucks that use plugin electric hybrid technology to save fuel, reduce emissions and reduce noise in residential areas; and hybrid drive diesel hydraulic and diesel electric systems on port equipment products are expected to continue increasing in demand as customers seek innovative ways to mitigate climate change impacts. ii)This influence has occurred and will likely continue to occur in the short-term and potentially beyond. i)Climate-related risk and opportunity has influenced our planning on operational costs. For example, we have planned energy efficiency projects to reduce operating costs and GHG emissions. ii)This influence has occurred and will likely continue to occur in the short-term and potentially beyond.

C3.4a

(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

no additional information

C4. Targets and performance

C4.1

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

Both absolute and intensity targets

C4.1a

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

Target reference number
Abs 1

Year target was set
2019

Target coverage
Company-wide

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

Base year
2019

Covered emissions in base year (metric tons CO2e)
69312

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2024

Targeted reduction from base year (%)
15

Covered emissions in target year (metric tons CO2e) [auto-calculated]
58915.2

Covered emissions in reporting year (metric tons CO2e)
57654

% of target achieved [auto-calculated]
112.130655586334

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
<Not Applicable>

Please explain (including target coverage)
We are targeting a 15% reduction in Greenhouse Gas (“GHG”) emissions by 2024 (from our 2019 baseline). We monitor GHG emission from direct combustions, electricity, refrigerants and vehicle fuel usage. All of our Manufacturing sites participate in our greenhouse gas emission reduction campaign and are required to put processes in place that will reduce emissions. Terex achieved this target in 2020 due to implementing energy efficient projects and use of renewable energies.

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 hour worked

Base year
2019

Intensity figure in base year (metric tons CO2e per unit of activity)
0.0034

% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure
100

Target year
2024

Targeted reduction from base year (%)
15

Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]
0.00289

% change anticipated in absolute Scope 1+2 emissions
25

% change anticipated in absolute Scope 3 emissions

Intensity figure in reporting year (metric tons CO2e per unit of activity)
0.003664

% of target achieved [auto-calculated]
-51.764705882353

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain (including target coverage)
Terex Hours worked for reporting year 2020: 15,732,859.87 Terex total scope 1 and 2 emissions = 57,654 MTCO2e

C4.2

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

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2019

Target coverage
Site/facility

Target type: absolute or intensity
Absolute

Target type: energy carrier
Electricity

Target type: activity
Production

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

Metric (target numerator if reporting an intensity target)
kWh

Target denominator (intensity targets only)
<Not Applicable>

Base year
2019

Figure or percentage in base year
0

Target year
2021

Figure or percentage in target year
173000

Figure or percentage in reporting year
27950

% of target achieved [auto-calculated]
16.1560693641618

Target status in reporting year
Underway

Is this target part of an emissions target?
No, this is a standalone target.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain (including target coverage)
In August 2020, Terex site in Umbertide, Italy installed solar photovoltaic panels. The installed solar photovoltaic panels produced 27,950 kWh. The Umbertide facility directly consumed 27,524 kWh of the produced solar energy and sold the remaining energy accounting for 426 kWh.

Target reference number
Low 2

Year target was set
2020

Target coverage
Site/facility

Target type: absolute or intensity
Intensity

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Low-carbon energy source(s)

Metric (target numerator if reporting an intensity target)
Percentage

Target denominator (intensity targets only)
Other, please specify (GJ/Hours Worked)

Base year
2019

Figure or percentage in base year
0.042

Target year
2024

Figure or percentage in target year
0.036

Figure or percentage in reporting year
0.044495

% of target achieved [auto-calculated]
-41.5833333333332

Target status in reporting year
Underway

Is this target part of an emissions target?
No, this is a standalone target.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain (including target coverage)
Similar to GHG, our global energy intensity conservation goal is a 15% reduction from our 2019 baseline by 2024. We believe our new plant in Watertown, South Dakota, and our process improvements will continue to increase our energy efficiency. Teams across Terex are actively engaged in projects to reduce their overall energy consumption as well as transitioning to renewable resources of energy. To calculate the intensity target, we assumed the following: Terex Hours worked for reporting year 2020 equals to 15,732,859.87 hrs. Total energy consumption (renewable and non-renewable) equals to 712,447 GJ.

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	7	
To be implemented*	0	0
Implementation commenced*	2	293
Implemented*	5	300
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)
66

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

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
29912

Investment required (unit currency – as specified in C0.4)
102800

Payback period
1-3 years

Estimated lifetime of the initiative
Ongoing

Comment
Our Ballymoney facility installed new LED lighting fixtures which saved approximately 175,000 kWh.

Initiative category & Initiative type

Energy efficiency in buildings	Solar shading

Estimated annual CO2e savings (metric tonnes CO2e)
66

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

Voluntary/Mandatory
Voluntary

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

58161

Investment required (unit currency – as specified in C0.4)
161900

Payback period
1-3 years

Estimated lifetime of the initiative
Ongoing

Comment
Our Umbertide, Italy facility installed photovoltaic panels on the building, which saved 172,000 kWh

---

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
7.01

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

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
10341

Investment required (unit currency – as specified in C0.4)
12800

Payback period
<1 year

Estimated lifetime of the initiative
Ongoing

Comment
Our Hosur facility installed new LED lighting fixture, including for hi-bay lights, fluorescent lamps, and streetlights, which saved approximately 9,907 kWh.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
293.37

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

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
125798

Investment required (unit currency – as specified in C0.4)
450801

Payback period
4-10 years

Estimated lifetime of the initiative
Ongoing

Comment
In 2020, Our Moses Lake facility implemented lighting upgrades to high bay lighting in two halls, which saved 898,560 kWh.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
15.24

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

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
3127

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

Payback period
No payback

Estimated lifetime of the initiative
Ongoing

Comment
Our Fort Wayne facility upgraded our front lot light to LED which saved 31,272 kWh.

C4.3c

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

Method	Comment
Other (Internal EC/GHG Road Map Scores)	Terex sites maintain a level of internal EC/GHG Road Map scores for energy efficiency and improvement plans, which are used to inform management about opportunities and drive investment in emissions reduction activities.

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
The use of certain models of hybrid and battery powered equipment, produced by Terex, allows the end user to avoid fuels that would otherwise be consumed by standard equipment.

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 (Avoided emissions are calculated from the reduction in fuels consumed due to improved efficiency in equipment.)

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

% of total portfolio value
<Not Applicable>

Asset classes/ product types
<Not Applicable>

Comment
Terex Cranes –The Odyne advanced hybrid propulsion system is estimated to save up to 19.25 tons of GHG (CO2) per year.

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 2006

Base year end
December 31 2006

Base year emissions (metric tons CO2e)
95182

Comment

Scope 2 (location-based)

Base year start
January 1 2006

Base year end
December 31 2006

Base year emissions (metric tons CO2e)
76952

Comment

Scope 2 (market-based)

Base year start
January 1 2006

Base year end
December 31 2006

Base year emissions (metric tons CO2e)
76952

Comment
Terex does not have market-based data for the base year, so the location-based number is used.

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance

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)
27587

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.2

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

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment
We are an international company and can determine market-based emissions from publicly available residual mixes and emission factors.

C6.3

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

Reporting year

Scope 2, location-based
30059

Scope 2, market-based (if applicable)
31793

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.4

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

C6.4a

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

Source
Office and small sales / service locations

Relevance of Scope 1 emissions from this source
Emissions are not relevant

Relevance of location-based Scope 2 emissions from this source
Emissions are not relevant

Relevance of market-based Scope 2 emissions from this source (if applicable)
Emissions are not relevant

Explain why this source is excluded
The GHG emissions from the small locations are determined to be not material since they are insignificant compared to the overall GHG profile. In addition, these small sources were excluded due to the difficulty and effort in collecting the stationary combustion and fugitive emission data in locations supported by central accounting functions.

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

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Capital goods

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex did not have any significant capital expenditures this year.

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

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Upstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Waste generated in operations

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Business travel

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Employee commuting

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Upstream leased assets

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Downstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Processing of sold products

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex is a manufacturer of large equipment used in construction and utilities, which does not require further processing.

Use of sold products

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

End of life treatment of sold products

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Downstream leased assets

Evaluation status
Relevant, not yet calculated

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain

Franchises

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex does not have franchises.

Investments

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex does not have investments resulting in significant emissions.

Other (upstream)

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex does not have other scope 3 emissions.

Other (downstream)

Evaluation status
Not relevant, explanation provided

Metric tonnes CO2e
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

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

Please explain
Terex does not have other scope 3 emissions.

C-CG6.6

(C-CG6.6) Does your organization assess the life cycle emissions of any of its products or services?

	Assessment of life cycle emissions	Comment
Row 1	No, and we do not plan to start doing so within the next two years	We currently do not have a standard to follow in our industry to assess life cycle emissions of our products or services.

C6.7

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

C6.7a

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

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	559	These emissions are from burning wood fuel at our Newton facility.

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
0.000018738

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
57654

Metric denominator
unit total revenue

Metric denominator: Unit total
3076400000

Scope 2 figure used
Location-based

% change from previous year
17.63

Direction of change
Increased

Reason for change
While the total GHG emissions decreased in 2020 compared to 2019, the intensity figure increased since the revenue decreased in 2020 compared to 2019. The GHG emissions decreased due to energy efficiency projects including use of renewable energy.

Intensity figure
7.03

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
57654

Metric denominator
full time equivalent (FTE) employee

Metric denominator: Unit total
8200

Scope 2 figure used
Location-based

% change from previous year
3.6

Direction of change
Decreased

Reason for change
Terex employed 8,200 FTE and 9500 FTE in 2020 and 2019, respectively. The intensity figure decreased since gross global scope 1 and scope 2 decreased in 2020 compared to 2019. The GHG emissions decreased due to energy efficiency projects including use of renewable energy.

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	25743	IPCC Fifth Assessment Report (AR5 – 100 year) *Biogenic CO2 was deducted from this value.*
CH4	45	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	13	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	1641	IPCC Fifth Assessment Report (AR5 – 100 year) *HFC-134a*
HFCs	79	IPCC Fifth Assessment Report (AR5 – 100 year) *R-410A*
HFCs	66	IPCC Fifth Assessment Report (AR5 – 100 year) *R22*

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Brazil	251
China	835
France	103
Germany	1659
India	322
Italy	976
Malaysia	51
Spain	28
United Arab Emirates	0
United Kingdom of Great Britain and Northern Ireland	5595
United States of America	17093
Australia	586
Netherlands	47
Republic of Korea	35
Singapore	3
Sweden	2
Switzerland	0

C7.3

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

By business division

By activity

C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
AWP	16255
MP	11285
Corp and Other	46

C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Fugitive Emissions	1785
Mobile Combustion	2344
Stationary Combustion	23457

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)
Australia	711	665	899	899
Brazil	94	94	1276	
China	1844	1844	3323	
France	1	1	19	
Germany	360	358	951	951
India	1355	1355	1914	
Italy	741	1020	2189	
Malaysia	114	114	170	
Netherlands	308	379	682	
Spain	3	5	14	
United Arab Emirates	6	6	15	
United Kingdom of Great Britain and Northern Ireland	3499	3871	12437	
United States of America	21037	22044	53300	
Republic of Korea	27	27	54	
Singapore	8	8	18	
Switzerland	0.4	0.6	31	
Sweden	0.1	0.44	9	

C7.6

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

By business division
By facility
By activity

C7.6a

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

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
AWP	20868	22010
MP	8318	8901
Corp and Other	871	882

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)
9 Silverwood Business Park - Lurgen (GBS UK)	29	40
Australia	200	154
AWP - EMEAR - Benelux	308	379
AWP - EMEAR - Dubai	6	6
AWP - EMEAR - France	1	1
AWP - EMEAR - Germany	4	4
AWP - EMEAR - Italia_Umbertide	178	245
AWP - EMEAR - Spain	3	5
AWP - EMEAR - United Kingdom	49	67
Bad Schonborn	356	355
Ballymoney, Northern Ireland	1031	584
Brazil	5	5
Campsie	107	146
Canton SD	237	248
Changzhou - Machinery Co.,Ltd	1844	1844
Coalville	36	49
Crespellano	172	237
Dungannon	1235	1680
Durand	559	559
Eagle Farm - AU	511	511
Fontanafredda	391	538
Fort Wayne	834	834
Hosur	1355	1355
Korea - Field Service/PDI	27	27
Louisville	75	75
Moses Lake	4633	4752
Newton	122	122
North America Field Service	0	0
North Bend	455	466
Oklahoma City	2555	3022
Omagh	961	1306
Phoenix, AZ	0	0
Redmond	4140	4247
Rock Hill	294	295
Singapore	8	8
Southaven	841	842
Subang Jaya	114	114
Switzerland	0.37	0.58
TSNA - Glen Allen, VA Branch	0	0
TSNA - Fontana, CA	0	0
Utilites - Birmingham	0	0
Utilities - Betim, Brazil	89	89
Utilities - Huron	2468	2583
Utilities - Medina	0	0
Utilities - San Antonio	0	0
Utilities - Seattle	0	0
Utilities - Tigard	0	0
Utilities - Watertown, SD	3762	3937
Utilities - Waukesha, WI	0	0
Utilities - White House	0	0
Wilmington - US	60	61
AWP - EMEAR - Scandinavia	0.1	0.44

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)
Purchased Energy	30059	31793

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	601	Decreased	0.9	Terex reduced emissions from the procurement of renewable energy. Our Ballymoney facility ,in Northern Ireland, adopted to 100% renewable energy from June 2020. Our Umbertide facility in Italy consumed 27.524 kWh of solar electricity (601/69312 X 100).
Other emissions reduction activities	593	Decreased	0.9	Terex implemented the following emissions reduction activities in 2020: LED Installations in Ballymoney Facility, Photovoltaic panels installation on building in Umbertide Facility, LED Lamp installation in Hosur Facility, and Lighting upgrades in Moses Lake Facility (593/69312 X100).
Divestment		<Not Applicable>		No divestment of facilities.
Acquisitions		<Not Applicable>		No acquisitions in 2020.
Mergers		<Not Applicable>		No mergers in 2020.
Change in output		<Not Applicable>		No changes in output.
Change in methodology		<Not Applicable>		No changes in methodology .
Change in boundary		<Not Applicable>		No changes in boundary.
Change in physical operating conditions		<Not Applicable>		Terex reported business closure and operation decrease primarily due to the negative impact of COVID-19. however, this value was not determined.
Unidentified		<Not Applicable>		not applicable
Other	10473	Decreased		Terex had 10,473 emissions reductions that were not tracked potentially due to closures and COVID-19.

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

C-CG7.10

(C-CG7.10) How do your total Scope 3 emissions for the reporting year compare to those of the previous reporting year?

We don't have any Scope 3 emissions data

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)	1278	117153	118432
Consumption of purchased or acquired electricity	<Not Applicable>	2169	77301	79470
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	549.42	<Not Applicable>	549.42
Total energy consumption	<Not Applicable>	3997	194455	198451

C8.2b

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

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

C8.2c

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

Fuels (excluding feedstocks)
Motor Gasoline

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
3475

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
2.27

Unit
kg CO2e per liter

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV = 44.3 GJ/tonne

Fuels (excluding feedstocks)
Diesel

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
21281

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
2.68

Unit
kg CO2e per liter

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV = 43 GH/tonne

Fuels (excluding feedstocks)
Liquefied Petroleum Gas (LPG)

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
18112

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
1.61

Unit
kg CO2e per liter

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV=47.3 GJ/tonne

Fuels (excluding feedstocks)
Natural Gas

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
72959

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
0.00189

Unit
metric tons CO2e per m3

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV= 48 GJ/tonne

Fuels (excluding feedstocks)
Residual Fuel Oil

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
1327

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
2.94

Unit
kg CO2e per liter

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV= 40.4 GJ/tonne

Fuels (excluding feedstocks)
Wood

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
1278

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

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

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

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

MWh fuel consumed for self-cogeneration or self-trigeneration
<Not Applicable>

Emission factor
1747.2

Unit
kg CO2e per metric ton

Emissions factor source
GHG Protocol Emission Factors from Cross-Sector Tools

Comment
LHV= 15.6 GJ/tonne

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	549.82	549.42	549.82	549.42
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

C8.2e

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

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

Low-carbon technology type
Solar

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

MWh consumed accounted for at a zero emission factor
521.9

Comment
Terex generated and consumed 521,900 kWh of solar photovoltaic electricity at its Changzhou facility in China.

C-CG8.5

(C-CG8.5) Does your organization measure the efficiency of any of its products or services?

	Measurement of product/service efficiency	Comment
Row 1	No, but we plan to start doing so within the next two years	It is an area Terex is planning on measuring in the future.

C9. Additional metrics

C9.1

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

C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

	Investment in low-carbon R&D	Comment
Row 1	Yes	In response to both regulatory initiatives and anticipated market demand trends, we invest in R&D of products that have lower greenhouse gas emissions. For example, the newest diesel engine emission reduction program introduced in Europe, known as Stage V or Tier 5, is driving further engine emissions related product development. Our segments also offer products that use plug-in electric hybrid technology to save fuel, reduce emissions and reduce noise in residential areas.

C-CG9.6a

(C-CG9.6a) Provide details of your organization's investments in low-carbon R&D for capital goods products and services over the last three years.

Technology area
Other energy efficient products or efficiency drivers

Stage of development in the reporting year
Large scale commercial deployment

Average % of total R&D investment over the last 3 years
21 - 40%

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

Comment

Technology area
Electromobility components

Stage of development in the reporting year
Basic academic/theoretical research

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

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

Comment
For our products we do not currently measure the efficiencies but are working on a Telematics system that will have this capability

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Technology area
Hydrogen power

Stage of development in the reporting year
Basic academic/theoretical research

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

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

Comment

Technology area
Other energy efficient products or efficiency drivers

Stage of development in the reporting year
Large scale commercial deployment

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

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

Comment
Tier 4f engines For our products we do not currently measure the efficiencies but are working on a Telematics system that will have this capability

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Technology area
Smart systems

Stage of development in the reporting year
Applied research and development

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

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

Comment
For our products we do not currently measure the efficiencies but are working on a Telematics system that will have this capability

---

Technology area
Smart systems

Stage of development in the reporting year
Pilot demonstration

Average % of total R&D investment over the last 3 years
21 - 40%

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

Comment

Technology area
Carbon capture, utilization and storage (CCUS)

Stage of development in the reporting year
Small scale commercial deployment

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

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

Comment

Technology area
Carbon capture, utilization and storage (CCUS)

Stage of development in the reporting year
Large scale commercial deployment

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

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

Comment

Technology area
Carbon capture, utilization and storage (CCUS)

Stage of development in the reporting year
Pilot demonstration

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

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

Comment

Technology area
Carbon capture, utilization and storage (CCUS)

Stage of development in the reporting year
Full/commercial-scale demonstration

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

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

Comment

Technology area
Energy storage

Stage of development in the reporting year
Basic academic/theoretical research

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

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

Comment

Technology area
Other energy efficient products or efficiency drivers

Stage of development in the reporting year
Pilot demonstration

Average % of total R&D investment over the last 3 years
41 - 60%

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

Comment

C10. Verification

C10.1

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

	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 third-party verification or assurance

C10.2

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

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, but we anticipate being regulated in the next three years

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

The UK Government's Streamlined Energy and Carbon Reporting (SECR) policy was implemented when the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 came into force. These regulations require large companies to prepare an Energy and Carbon Report which details their annual energy use and GHG emissions within the Directors' Report. Terex will report the respective energy use and GHG emissions in the December 2020 Directors Report as per financial year adhered to.

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, 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?

No, we do not engage

C12.1e

(C12.1e) Why do you not engage with any elements of your value chain on climate-related issues, and what are your plans to do so in the future?

a. We do not engage with any elements of our value chain on GHG emissions and climate change strategies, because we are developing our stakeholder engagement process. Starting with the creation of our Sustainability Committee that reports to the board.

b. Our board-level Sustainability committee is developing our stakeholder engagement process.

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?

No

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?

While Terex participates in trade associations, we do not have any processes in place to ensure that all of our direct and indirect activities that influence policy are consistent with our overall climate change strategy.

C12.4

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

Publication
In mainstream reports

Status
Complete

Attach the document
TEX 2020 10-K Final.pdf

Page/Section reference
Page 15

Content elements
Risks & opportunities

Comment

Publication
In mainstream reports

Status
Complete

Attach the document
Terex_ESGReport_FINAL 2020.pdf

Page/Section reference
Pages 5-8 cover Governance Pages 17-18 cover emission targets

Content elements
Governance
Emission targets

Comment

C15. Signoff

C-FI

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

We are not providing additional information.

C15.1

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

	Job title	Corresponding job category
Row 1	Chief Executive Officer (CEO)	Chief Executive Officer (CEO)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

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

Please confirm below

I have read and accept the applicable Terms