

C0. Introduction

C0.1

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

<事業の内容>

当社グループは、「空調機」「情報通信・電子デバイス」の両部門において、製品および部品の開発、製造、販売ならびにサービスの提供を主な事業としております。そのほか、家電リサイクル事業等を行っております。

空調機は日本や欧州で再生可能エネルギーと位置付けられるヒートポンプ技術を活用した省エネルギー性の高い商品を中心に開発に注力しており、世界各国のエネルギー規制への適応だけでなく、競合各社の空調機に対して、省エネ性で優位に立てるインバーター技術、気流制御技術に開発の軸足を置き、ルームエアコンにおいてはヨーロッパ、オセアニア、中東アフリカ、北米などで、トップブランドとして広く認知されています。さらに、地球温暖化係数の低いR32などのフロンガスを積極的に商品展開し、環境負荷低減に努めています。

空調機の生産拠点は、中国（上海、無錫）、タイ（レムチャパン）、欧州（フランス）で、開発拠点は日本（川崎）、タイ（レムチャパン）、中国（上海）、欧州（ドイツ）、北米（アメリカ）にあります。販売・サービス拠点は日本（当社）のほか、米州、欧州、中東、アジア、中華圏、オセアニアに販売子会社を設置しています。

情報通信・電子デバイス事業のうち、情報通信システムは、消防・防災システムといった防災・減災社会の基盤を支える事業のほか、外食産業向け店舗システムや病院向け映像表示システムを営んでいます。また、電子デバイスは、産業用ロボット向けの制御基板や自動車の車載カメラなどを製造、各メーカーに納入するほか、エレクトロニクス製品の小型化・省エネ化に寄与するパワーモジュールを製造しています。なお、情報通信・電子デバイスの生産拠点は日本（岩手県）にあります。

<基本方針>

当社グループは、SDGsの原則にある「誰一人取り残さない」が当社グループの企業理念「共に未来を生きる」と同義語であることを踏まえ、2021年3月に「『サステナブル経営』の基本方針」を制定しました。持続可能な社会実現への貢献を通じて事業を拡大させることを成長戦略の中核に据え、「地球との共存」「社会への貢献」「社員との共感」を3つの柱とする「サステナブル経営」に取り組んでいます。

GHGプロトコルに基づく定量目標は、以下のとおりです。

- (1) 「2025年度までに、当社グループの事業活動（Scope1およびScope2）におけるカーボンニュートラル（温室効果ガスの排出実質ゼロ）実現」
- (2) 「供給網（カテゴリー11を除くScope3）において、温室効果ガスの排出量を2035年度までに2018年度比30%削減」
- (3) 「全世界に販売した製品の使用（対象はScope3のカテゴリー11かつ空調機）による温室効果ガスの排出量を2030年度までに2013年度比30%削減」

<サステナブル・プロダクト制度>

GHGプロトコルに基づく定量目標に加え、脱炭素化技術として期待されるヒートポンプを活用した高効率の空調機器をはじめ温室効果ガス排出量削減や社会貢献度の高い製品、サービスを独自に認定する「サステナブル・プロダクト（以下サスプロ）」制度を導入しています。認定機器には優先的に投資を行うほか、独自の認定マークを制作し、対外的にも取り組みを発信し、2030年度までに「サスプロ」認定機器・サービスの連結売上高構成比30%以上を目指しております。

なお、「サスプロ」の中で、貢献度の高いものを「サスプロ・ゴールド」に認定します。

<地球温暖化対策を含む社会課題解決に向けた取り組み>

イノベーションを継続的に生み出す仕組みとして、個人の発想を起点に社会課題を解決する事業の創出に向けたプログラムである「The future of innovation challenge」を行っています。国内外の全社員から事業アイデアを募集し、新たな製品・サービスの創出に繋げることで、地球温暖化対策をはじめとする持続可能な社会実現への貢献を目指しています。

製品・サービス以外の分野においては、事業活動におけるムダの徹底削減による、環境負荷低減とコスト削減を目的とした「全社アカスリ活動」と呼ばれる活動を2016年度より実施しており、2021年度までで19,332トンのCO2排出量削減と35億円のコスト削減を達成しています。現在は、この活動を一部改版・強化し、ムダの削減に加え、社会課題解決に貢献出来るアイデアを「サステナブル提案」として広く社員から募集しております。優秀なアイデアは活動の支援・実行を行うとともに、社内表彰を行っています。

このほか、業績や企業イメージ向上、事業変革等に貢献し、社内外に影響をもたらした取り組みを年に1度表彰する制度があり、環境対応や環境保全活動に大きく寄与したと認められた業務も表彰の対象となっております。表彰者には、取り組みの内容に応じて、賞金・記念品等が支給されます。

これらに加え、環境保全を積極的に推進している取引先からの調達、環境負荷が少なく有害物質を含まない資材の調達による「グリーン調達」の推進で、地球環境の保全と豊かな暮らしを創造する製品づくりの両立を目指しています。

<家電リサイクル事業>

日本で2001年4月に制定された特定機器再商品化法（家電リサイクル法）に基づき、リサイクル子会社「富士エコサイクル」の運営を通じて、家庭用エアコン、テレビ、冷蔵庫・冷凍庫、洗濯機・衣類乾燥機の指定4品目のリサイクルを推進しています。さらに、当社グループでは、富士エコサイクルで選別回収したプラスチックを再資源化し、自社製品に再利用するクローズドリサイクルを行い、リサイクルした材料をエアコンの機構部品への使用に加え、リサイクルプラントで得られた情報を製品設計へフィードバックし、環境性能の向上に役立っています。

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

April 1 2022

End date

March 31 2023

Indicate if you are providing emissions data for past reporting years

No

Select the number of past reporting years you will be providing Scope 1 emissions data for

<Not Applicable>

Select the number of past reporting years you will be providing Scope 2 emissions data for

<Not Applicable>

Select the number of past reporting years you will be providing Scope 3 emissions data for

<Not Applicable>

C0.3

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

- Australia
- Brazil
- China
- France
- Germany
- India
- Italy
- Japan
- New Zealand
- Singapore
- Taiwan, China
- Thailand
- 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.

JPY

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, an ISIN code	JP3818400008
Yes, another unique identifier, please specify (東京証券取引所 証券コード)	6755

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
Chief Executive Officer (CEO)	<p>当社では、当社グループの全体戦略とサステナビリティとの融合を図り、その実現に向けた取り組みを加速させるため、経営執行役の職務としてCSO（Chief Sustainability Officer）職を設置しており、経営トップであるCEOが兼務しております。そのため、気候関連問題における責任はCEO兼CSOが持つ形となっております。</p> <p>2022年4月には、中期環境計画において掲げていた「2030年度における当社グループの事業活動におけるカーボンニュートラル達成（Scope1およびScope2）」について、目標達成年度を「2025年度」へと前倒しすることを決定しました。</p> <p>そのほか、2022年6月に、取締役（社外取締役をのぞく。）および経営執行役を対象として、気候問題等に関連したサステナブル経営の評価指標の達成を譲渡制限の解除条件とする株式報酬制度を導入しました。本制度は社長も対象となっており、気候問題等への対応が報酬に関わる形となっております。</p> <p>さらに、CEOが委員長を務めるコンプライアンス/リスク・マネジメント委員会を年4回開催しており、気候変動への対応を含む環境にかかわる重要な事項が発生した場合、対応方針や施策について審議・決定するとともに、進捗や成果を共有し、さらなる改善や新たな取り組みに繋げております。</p>

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	<p>Reviewing and guiding strategy</p> <p>Overseeing and guiding the development of a transition plan</p> <p>Monitoring the implementation of a transition plan</p> <p>Overseeing the setting of corporate targets</p> <p>Monitoring progress towards corporate targets</p> <p>Reviewing and guiding the risk management process</p>	<Not Applicable>	<p>当社は気候関連問題への対応を含む「サステナブル経営」をすべての事業活動の基本に据えております。そのため、取締役会においては、様々な議題が気候関連問題に直結しており、活発な議論を行っております。</p> <p>コンプライアンス/リスク・マネジメント委員会より、リスクマネジメント推進活動の実績として、海外拠点の環境等の規制対応についての報告を行いました。</p> <p>取締役会で出た意見については、今後の「サステナブル経営」の運用へ反映させるとともに、進捗状況等は定期的に取り締り報告し、監督を行っていく予定となっております。</p> <p>なお、当社グループの全体戦略とサステナビリティとの融合を図り、その実現に向けた取り組みを加速させるため、経営執行役の職務としてCSO（Chief Sustainability Officer）職を設置しており、2023年7月現在においては、経営トップである社長が兼務しております。</p> <p>また、当社は、全取締役にて「当社事業マネジメント」を特に期待する分野として定めております。「当社事業マネジメント」とは、気候関連問題を含む「サステナブル経営」に合致した執行状況の把握・監督および長期視点での課題提起等を主な内容としています。</p>

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	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	Yes	<p>当社・他企業における業務経験または大学・研究機関等における活動を通じて、気候関連問題に関する一定以上の知識・経験を基準としております。</p> <p>2023年7月現在においては、CEOがCSO（Chief Sustainability Officer）を兼務しており、2025年度のカーボンニュートラル達成（Scope1およびScope2）をはじめとする計画の立案・実行を推進しております。</p>	<Not Applicable>	<Not Applicable>

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 major capital and/or operational expenditures related to low-carbon products or services (including R&D)

Integrating climate-related issues into the strategy

Setting climate-related corporate targets

Monitoring progress against climate-related corporate targets

Assessing climate-related risks and opportunities

Managing climate-related risks and opportunities

Coverage of responsibilities

<Not Applicable>

Reporting line

Reports to the board directly

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

Less frequently than annually

Please explain

当社では、当社グループの全体戦略とサステナビリティとの融合を図り、その実現に向けた取り組みを加速させるため、経営執行役の職務としてCSO (Chief Sustainability Officer) 職を設置しており、経営トップであるCEOが兼務しております。

C1.3

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

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	取締役会が予め設定したサステナブル経営の評価指標達成を譲渡制限解除の条件とする「サステナブル経営指標要件型」の譲渡制限付株式報酬を導入しています。本インセンティブは、委員の過半数を独立社外取締役で構成する報酬委員会で審議のうえ取締役会に答申を行い、取締役会で審議・決定する形としております。

C1.3a

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

Entitled to incentive

Director on board

Type of incentive

Monetary reward

Incentive(s)

Shares

Performance indicator(s)

Increased share of revenue from low-carbon products or services in product or service portfolio

Incentive plan(s) this incentive is linked to

Short-Term Incentive Plan

Further details of incentive(s)

取締役会が予め設定したサステナブル経営の評価指標達成を譲渡制限解除の条件とする「サステナブル経営指標要件型」の譲渡制限付株式報酬を導入しています。

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

取締役への報酬の一種とすることで、気候変動に関する目標達成への意欲を高めることに貢献します。取締役に限らず、社内的にも重要な目標であることを示せております。

Entitled to incentive

Management group

Type of incentive

Monetary reward

Incentive(s)

Shares

Performance indicator(s)

Increased share of revenue from low-carbon products or services in product or service portfolio

Incentive plan(s) this incentive is linked to

Short-Term Incentive Plan

Further details of incentive(s)

取締役会が予め設定したサステナブル経営の評価指標達成を譲渡制限解除の条件とする「サステナブル経営指標要件型」の譲渡制限付株式報酬を導入しています。

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

経営陣（当社の場合は経営執行役）への報酬の一種とすることで、気候変動に関する目標達成への意欲を高めることに貢献します。経営陣に限らず、社内的にも重要な目標であることを示せております。

Entitled to incentive

All employees

Type of incentive

Monetary reward

Incentive(s)

Other, please specify (商品券)

Performance indicator(s)

Implementation of employee awareness campaign or training program on climate-related issues

Incentive plan(s) this incentive is linked to

This position does not have an incentive plan

Further details of incentive(s)

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

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	1	4	当社は1993年より3~4か年毎に温室効果ガス削減を含めた環境活動に対する目標を定め活動している。現在2022年度を短期的目標年度としている。
Medium-term	1	14	パリ協定の枠組みを受けて日本が定めた中期目標年度およびSBT設定において、2030年为目标年となっている。当社においても、上記根拠および中期環境計画の目標年度である2030年度を温室効果ガス排出量削減目標年度に定めている。
Long-term	1	34	IPCCにおける提言およびSBT設定において、2050年为目标年となっているため。

C2.1b

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

代表濃度経路シナリオ (RCP) 2.6、RCP 6.0、国際エネルギー機関(IEA)SDS、IEA STEPSに則って、事業に重大なリスクおよび機会を与える事象を抽出しています。

C2.2

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

Value chain stage(s) covered

Direct operations
Upstream
Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Not defined

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

気候変動リスクは当社にとって大きなリスクでもあり、大きな機会でもあります。リスクについては1.5°C、2°C、4°Cの各層で分析し、財務的な損出を含めて取締役会にて報告を行っています。また、機会については、取締役会の報告を経て、サステナブル経営を経営方針（各機会への積極投資と拡張計画）として公表しています。

C2.2a

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, sometimes included	当社の売り上げの89%を占める空調機事業は欧州市場でのFガス規制や販売先各国のMEPS規制及び日本での省エネ規制等様々な規制があり、その対応への対応は最重要課題です。未対応製品は当該国への輸入・販売差し止めになることになり、当社にとって非常に大きなリスクとなります。
Emerging regulation	Relevant, sometimes included	気候変動への対応で、今後様々な規制強化が予測されています。例えば炭素税等の技術関係ない部分での規制は、当社の主力製品である空調機器の売り上げに直接的影響するため、新たな規制対応は常に注視し、現地生産等も常に検討しています。
Technology	Relevant, sometimes included	当社の主力事業は空調機器となり、使用する冷媒の低GWP化を推進しています。短期間で急激な規制強化により更なる低GWP化が進むと対応が不可能になる可能性や、他社の先行した特許取得により使用を予定していた低GWPの冷媒が使用できなくなると、直接的な影響を受ける可能性があります。したがって常に新冷媒の開発や規制動向を注視し、先を見通したリスク回避を行っています。
Legal	Relevant, sometimes included	フロンガスの漏洩などが起こると、法的規制にもかかわることを強く認識し、冷媒を扱う工場では、常に冷媒の管理を重点管理項目として対応しています。
Market	Relevant, sometimes included	当社は空調機を製造するうえで、多くの温室効果ガスを排出していることを認識しており、温室効果ガス排出量の削減は、当社にとって重要な課題であると認識しています。したがって2025年までにカーボンニュートラルを達成し、環境に配慮した企業であることを市場に浸透させる必要があります。
Reputation	Relevant, sometimes included	主要販売拠点においては温室効果ガスの排出は世界的な社会課題であると認識しており、2022年4月には当社グループが事業活動で使用する電力を100%再生可能エネルギーに転換しました。今後は、カーボンニュートラル達成に向けて取り組んでいます。
Acute physical	Relevant, sometimes included	世界的な平均気温上昇は、洪水による工場浸水や高温に伴う電力使用制限による操業低下・停止等のリスクがあります。当社はTCFDに賛同し、内容を公表しており、その中に気温上昇にともなう財務的影響を評価して公表しています。
Chronic physical	Relevant, sometimes included	世界的な平均気温上昇により、工場作業員の熱ストレスの高まりや感染症の増加が、労働者の生産性低下や事故に繋がる可能性があります。当社はTCFDに賛同し、内容を公表しており、その中に気温上昇にともなう財務的影響を評価して公表しています。

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	Carbon pricing mechanisms
---------------------	---------------------------

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

当社売上高の91%を占める空調機器は、海外市場での販売比率が87%と高いため、炭素税、排出権取引導入などにより、原材料の調達、製品の製造、物流において事業コストの負担の増加がリスクとなります。

Time horizon

Long-term

Likelihood

About as likely as not

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

2019年度のScop1・2の排出量を基準値として、①PRI Inevitable Response 2021 Policy Forecast Detailed resource、②環境省「諸外国における「炭素税等の導入状況」、③一社日本エネルギー経済研究所「温室効果ガス排出削減のためのカーボンプライシング等の制作手法に関する調査」をもとに、2030年度の排出量の達成度合いで3つのケースを試算しました。

Case1：2030年度のScope1・2排出量が、売上金額の伸長にあわせて増加した場合⇒599,810,000円

Case2：2030年度のScope1・2排出量が、2019年度と同量だった場合⇒276,098,000円

Case3：2030年度を目標年度とする中期計画の達成（カーボンニュートラルを実現）⇒0円

Cost of response to risk

Description of response and explanation of cost calculation

Scope1、2の排出量早期削減（カーボンニュートラルの早期達成）および法規制の情報収集と早期対応により、リスク低減を図ります。

Comment

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Mandates on and regulation of existing products and services
---------------------	--

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

当社は、欧州「Fガス規制」の強化を重大なリスクと捉えています。2022年度の空調機事業は、連結売上高の91%を占め、そのうち欧州の売上高901億円は27%を占めま

す。現在、欧州ではGWPが150を超える冷媒をカーエアコンに使用することが禁止されていますが、この規制が住宅や商業施設などのエアコンに適用されると、当社エアコンで使用される冷媒「R-410a」および「R-32」が使用できなくなります。現在、安全、経済的、効率的に使用できるGWPが150未満の冷媒について研究していますが、現在の技術での規制遵守は困難であり、欧州における空調機事業の継続にリスクをもたらす可能性があります。

Time horizon

Long-term

Likelihood

Unlikely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

1) 数値を計算するために採用されたアプローチ。2022年度の欧州でのエアコンの売上高は901億円でした。冷媒のGPWがFガス規制の下でGWP150未満に引き締められた場合、欧州の空調事業の全体的な販売量が影響を受けると推定されます。

2) 計算された数値。901億円財務的影響 = 2022年度の欧州における空調事業の売上高 (901億円)

Cost of response to risk

Description of response and explanation of cost calculation

温暖化係数の低い冷媒を使用した空調機の開発を目指し、2022年度は3億2,462万円の開発費を投入し、各種冷媒の研究を進めております。

Comment

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Market	Changing customer behavior
--------	----------------------------

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

地球温暖化や経済発展により、新興国でのエアコン需要の拡大が見込まれます。IEAが発表したレポート「The Future of Cooling」では、2050年にエアコンの使用による電力消費量は3倍になると推定されています。例えば、当社が最重点市場として位置付けているインドにおいて、エアコンの推定需要は2018年で496万台、過去5年間の年間平均伸長率は7.8%です。しかしながら、インドのような発電能力が不足している地域では、電力不足などにより停電が発生します。需要増加に伴った停電が増えると、購入してもエアコンが使えなくなるため、売れ行きの悪化がリスクとなります。言い換えれば、より低い電力で運転できるエアコンの売れ行きが良くなるため、それが当社の売上成長に影響を及ぼします。

Time horizon

Long-term

Likelihood

More likely than not

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

インドにおいては、2023年度313億円の売上を計画しています。将来的に、電力供給が追いつかない場合、電力を大量に消費するエアコンの販売が停滞する可能性があります。2023年度の売上が伸長せずに推移した場合、2023年度82億円の影響が見込まれます。(2022年度実績は231億円)。

Cost of response to risk

Description of response and explanation of cost calculation

低い電力で運転できる普及価格帯の冷房専用インバーターエアコンを開発し、2020年度より市場投入しています。2022年度以降もラインアップを拡充し売上拡大を目指しています。2022年度は省エネ機種の開発費52億9,786万円の開発費の一部をインド向け機種開発費に充てました。

Comment

Identifier

Risk 4

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Technology	Unsuccessful investment in new technologies
------------	---

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

脱炭素エネルギー技術開発の遅れによる、販売機会を喪失する可能性があります。

Time horizon

Long-term

Likelihood

Unlikely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

低外気温で高効率な空調機の開発を進めています。

Comment

Identifier

Risk 5

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Market	Increased cost of raw materials
--------	---------------------------------

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

当社グループは、戦略的提携等を通じて基幹部品の供給確保に努める一方で、素材および部品の調達を外部の取引先に依存しているため、需給バランスの変化や、脱化石燃料に向けて材料変更により、原材料価格の上昇が見込まれる、または、原材料が入手困難になった場合には、当社グループの業績および財務状況に多大な影響を及ぼします。この影響を軽減させるため、部材のマルチソース拡大、設計の標準化、内製化の拡大、調達先との関係強化等によるコスト削減と安定調達に努めておりますが、調達部材の供給環境が著しく悪化した場合や、市況変動に伴い調達部材の価格が急激に高騰した場合には、当社グループの業績および財務状況に影響を及ぼす可能性があります。

Time horizon

Medium-term

Likelihood

Unlikely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

空調機は銅・アルミを多用した製品であり、その素材価格は当社のビジネスに大きな影響を与えます。今回、World Bank Commodities Price Forecast(Released: April 20, 2021)に基づき、2030年までの素材価格上昇率を31%と算出しました。直近の素材価格に上昇率をかけて影響額を算出しています。
 原材料コスト×素材価格上昇率31%=6,671百万円

Cost of response to risk**Description of response and explanation of cost calculation**

サーキュラーエコノミー実現に向けた設計（部材のリサイクル再生材の使用促進、代替部材の開発と採用等）

Comment**Identifier**

Risk 6

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Acute physical	Cyclone, hurricane, typhoon
----------------	-----------------------------

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

当社グループは、戦略的提携等を通じて基幹部品の供給確保に努める一方で、素材および部品の調達を外部の取引先に依存しているため、取引先が洪水被害などによりコンプレッサーや電子部品などの調達部材の供給環境が著しく悪化した場合には、当社グループの業績および財務状況に多大な影響を及ぼします。この影響を軽減させるため、不測の事態に備え、生産拠点の相互補完等を含めたBCM(事業継続マネジメント)の強化を図っておりますが、世界的な気候変動、地震・洪水等の自然災害により社会的混乱や社会・経済活動の制限等が発生した場合、事業活動の停止や機会損失、復旧のための多額の費用負担等により、当社グループの業績および財務状況に影響を及ぼす可能性があります。

Time horizon

Medium-term

Likelihood

Unlikely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

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

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

当社グループにおいては、タイと中国で空調機を生産しています。サイクロンや洪水などの異常気象が重大かつ頻繁に発生した場合において、工場の操業が1か月停止した場合の影響額として算出しました。
 2022年度空調機販売実績3,384億円÷12=282億円

Cost of response to risk**Description of response and explanation of cost calculation****Comment**

タイと中国の両生産拠点で相互補完（同一機種生産）を進めていますが、この体制を維持するために金型投資が増加します。

Identifier

Risk 7

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Chronic physical	Changing temperature (air, freshwater, marine water)
------------------	--

Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

当社グループは、中国とタイで空調機を生産しており、異常気象による平均気温上昇によって、工場働く従業員の熱ストレスの高まりや、感染症の増加をリスクとして評価しています。熱ストレスの高まりが労働者の生産性低下や事故につながり、生産能力が低下する可能性があります。また、感染症の増加により、生産能力の低下や生産拠点そのものの操業停止などの可能性があります。

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

当社グループにおいては、タイと中国で空調機を生産しています。今回は「ILO "Working on a warmer planet" ヒートストレスによる労働生産性の低下率」を基に2030年度のタイと中国における平均の生産性低下率を2.96%と算出し、2030年度における空調機の売上予想に生産低下率をかけることで、財務上の影響額を算出しています。

【計算式】2030年度における空調機の売上金額予想×ヒートストレスによる生産性低下率（タイと中国の平均低下率）=158億円

Cost of response to risk

Description of response and explanation of cost calculation

施設内の空調設備の強化により、労働者が快適・安全に働ける環境を整備することで、労働者の生産性向上や事故防止を図ります。

Comment

C2.4

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

Yes

C2.4a

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

Identifier

Opp1

Where in the value chain does the opportunity occur?

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

早期に温暖化係数の低い冷媒を使用した空調機の開発により、販売拡大が期待される。

Time horizon

Long-term

Likelihood

Very likely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

温暖化係数の低い冷媒を使用した空調機の早期開発を目指し、各種冷媒の研究を進めています。2022年度は3億2,462万円の開発費を投入しました。

Comment

Identifier

Opp2

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

電力を使用しないエアコンの開発による販売拡大。
省エネ規制の強化に対応した省エネ性の高い空調機の販売拡大。

Time horizon

Long-term

Likelihood

Very likely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

5297860000

Strategy to realize opportunity and explanation of cost calculation

低い消費電力で運転できる普及価格帯の冷房専用インバーターエアコンを開発し、2020年度より市場投入しています。2022年度はラインアップを拡充し、売上拡大を目指します。2022年度は52億9,786万円の開発費を充当いたしました。

Comment

Identifier

Opp3

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

欧州において、再生可能エネルギーと位置付けられるヒートポンプ技術を使用した当社ATW(ヒートポンプ式温水暖房システム)は、従来の化石燃料機器と比べて温室効果ガスを約55%削減することができています。
当社グループでは、欧州の温水セントラル暖房市場でATWの需要が大きく伸びると予測し、2009年からエアコンのDCインバータ技術をベースとした高効率ヒートポンプATW「ウォーターステージ」をフランス現地メーカー(ATLANTICグループ)と共同開発を開始し、製品ラインナップを拡充しています。当社グループのATWは、ヒートポンプ技術により、運転時のCO2排出量がゼロであり、また安全・快適・高効率の温水システムです。このATWは、欧州政策にも合致するとともに、家庭から排出されるCO2削減にも大きく貢献することができるため、今後も需要の増加が期待されます。
なお、2021年度における当社グループのATWの売上高は、重点市場の一つである欧州向け売上の30%弱を占める事業に成長しており、今後も積極的に取り組んでいきます。

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

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

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

2022年度のATW売上高貢献額：268億円（前年度比+36%）

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

【状況】ヒートポンプ式ATWは、脱炭素化の主要方法の1つとして欧州の機関によって明確に位置づけられている。

【課題・行動】欧州市場ニーズにマッチした製品開発・市場投入を進めると共に、持続可能な社会づくりに向け、貢献できるATWビジネスの拡大のために、2009年7月にはヒートポンプ式ATWの共同開発契約の調印により、新しい共同ビジネスを開始することを決定した。2019年、ATLANTICグループと富士通ゼネラルグループはそれぞれのブランドで補完し、欧州諸国で高効率の「ATWSplit」製品のフルラインアップを揃えた。これを実現するために、両社のマーケティングチームとR&Dチームは、フランス・ドイツ・日本間のビデオ会議で毎月プロジェクト会議を実施しており、2019年からは、ATLANTIC技術者が富士通ゼネラルの川崎本社に常駐している。2022年度は1億2,739万円の研究開発費を投入した。

【結果】、欧州大陸で最初のATW市場であるフランスにおいて、リーダーとしての地位のさらなる強化へつながり、欧州向けの売上げが2022年度には前年に比べ25%増加（為替を除く伸長）した。

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

Publicly available climate transition plan

<Not Applicable>

Mechanism by which feedback is collected from shareholders on your climate transition plan

<Not Applicable>

Description of feedback mechanism

<Not Applicable>

Frequency of feedback collection

<Not Applicable>

Attach any relevant documents which detail your climate transition plan (optional)

<Not Applicable>

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

1.5°Cの世界に整合する移行計画の作成を目指して、環境省によるSBT算定支援事業に参画し検討を実施しましたが、当社事業において当該計画の策定は困難との結論に至りました。当社の主要事業であるエアコンの製造販売においては、Scope3 カテゴリ11がScope1,2,3排出量全体の96.26%を占めており、事業を拡大し、製品販売数量を増加することに伴い排出量も増加することとなります。現在見込める技術的ソリューションでは、販売数量の増加に伴う排出量増加分を上回る排出削減効果が得られる省エネ性の改善計画策定が困難な状況です。

Explain why climate-related risks and opportunities have not influenced your strategy

<Not Applicable>

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	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	Yes, qualitative and quantitative	<Not Applicable>	<Not Applicable>

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
Physical climate scenarios	RCP 2.6	Company-wide	<Not Applicable>	2100年以降の放射強制力を2.6W/m ² に安定化させるシナリオRCP2.6を用いて、日本の国土交通省が発行した気候変動を踏まえた治水計画の在り方検討より、日本国内の洪水の発生確率が2倍であると想定した。また、大雨の発生確率も日本の気象庁レポートより1倍となると想定した。
Physical climate scenarios	RCP 6.0	Company-wide	<Not Applicable>	2100年以降の放射強制力を約6.0W/m ² で安定化させるという物理シナリオRCP6.0を用いて、日本の国土交通省が発行した気候変動を踏まえた治水計画の在り方検討より、日本国内の洪水の発生確率が4倍であると想定した。また、大雨の発生確率も日本の気象庁レポートより2.3倍となると想定した。
Transition scenarios	IEA SDS	Company-wide	<Not Applicable>	パリ協定など持続可能な開発目標の達成に向けて順調に制作が進展することを想定したSDSシナリオを用いて、IPR Policy Forecast2021で想定される炭素税である日本60USドル、中国60USドル、インド50USドルと想定した。また、温室効果排出量価格は、IEA,WEO2019より中国において23USドルであると想定した。地域別電力需要予測は、IEA,WEO2019よりインドは2,417TWh、東南アジアは1,346TWh、アフリカは1,073TWhと想定した。
Transition scenarios	IEA STEPS (previously IEA NPS)	Company-wide	<Not Applicable>	これまで各国で公表された政策や目標がそのまま遂行された場合を想定したSTEPSシナリオを用いて、地域別電力需要予測は、IEA,WEO2019よりインドは2,254TWh、東南アジアは1,510TWh、アフリカは1,086TWhと想定した。

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

シナリオ分析において焦点となった課題は、1)温室効果ガス排出量価格の上昇、2)冷媒規制の強化、3)電力需要のひっ迫、4)原材料コストの上昇、5)生産拠点の損壊、6) 平均気温の上昇の6点です。

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

焦点となった課題に対し気候関連シナリオ分析は、発生可能性3段階（5年以内に発生、10年以内に発生、10年以降に発生）、財務上の影響度3段階（100億円以内、1000億円以内、1000億円以上）の2つの要素で分析を行い、当社にとって重要な課題を整理・特定しました。分析した結果、当社において最も影響が大きい課題は、冷媒規制の強化により製品が販売できなくなるリスクであることが特定されました。

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

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	<p><リスク・機会></p> <ul style="list-style-type: none"> ・空調機 <p>-日本や欧州でヒートポンプ技術を活用した「再生可能エネルギー利用機器」と位置付けられており、暖房や給湯用途で化石燃料機器の代替製品としてのニーズ拡大。例えば、化石燃料機器から当社の販売するヒートポンプ式温水暖房システムに切り替えることにより、温室効果ガスを約50%削減できる。フランスでは、当社の販売するヒートポンプ式温水暖房機器の導入に対する補助金があることから、欧州での売上増に寄与している。(2022年度の欧州全体での売上は前年度比30%増)</p> <p>-冷媒や省エネといった環境規制の強化</p> <p>-電力の需給逼迫により、空調機の使用が制限される</p> <p>・情報通信・電子デバイス</p> <p>-災害対応力強化への社会的要請。例えば、局地豪雨の際に住民の避難行動を促す「浸水アラートシステム」を販売しており、今後の需要増が見込まれる。</p> <p>-電子機器の小型化・省エネ化へのニーズ拡大。例えば、当社の製造するパワーモジュールにおいて、GaN（窒化ガリウム）を用いたデバイスは、現在主流のSi（シリコン）と比較して、デバイス自体の消費電力を約50%削減することから、今後の需要増が期待できる。</p> <p>また、「全世界に販売した製品の使用（対象はScope3のカテゴリー11かつ空調機）による温室効果ガスの排出量を2030年度までに2013年度比30%削減」を目指しています。</p> <p>目標達成に向けた主な施策は以下です。</p> <ul style="list-style-type: none"> ・地球温暖化係数のさらに低い冷媒への切換え ・省エネ性能の追求（省エネ性の高いインバーター機種への取組など） ・省資源化設計（サーキュラーデザインの推進、脱プラスチックの推進など） <p>また、温室効果ガス排出量削減や社会貢献度の高い製品、サービスを独自に認定する「サステナブル・プロダクト（以下サスプロ）」制度を導入し、2030年度までに「サスプロ」認定機器・サービスの連結売上高構成比30%以上を目指しております。認定機器には優先的に投資を行うほか、独自のイメージマークを制作し、対外的にも取り組みを発信してまいります。</p> <p>なお、「サスプロ」の中で、貢献度の高いものを「サスプロ・ゴールド」に認定します。</p>
Supply chain and/or value chain	Yes	<p><リスク・機会></p> <ul style="list-style-type: none"> ・炭素税や排出権取引の導入などにより、原材料の調達や製品の物流においてコストが増加 ・需給バランスの変化や脱化石燃料に向けての材料変更により、原材料価格の上昇や原材料が入手困難になる可能性 ・異常気象等による物流の機能不全 <p>供給網（カテゴリー11を除くScope3）において、温室効果ガスの排出量を2035年度までに2018年度比30%削減を目指しています。</p> <p>主な施策は以下です。</p> <ul style="list-style-type: none"> ・供給網の生産拠点、開発拠点、事務所における再生可能エネルギーの活用、省エネ設備購入 ・消費地に近い場所での生産。(2022年度には、フランスの自社拠点における現地生産、およびインドでの委託生産を開始している。) ・CO₂排出量削減推進（サプライチェーンの現状把握、働きかけ） ・海外向け輸出、日本向け輸送（トラック輸送）の削減
Investment in R&D	Yes	<p><リスク・機会></p> <ul style="list-style-type: none"> ・脱炭素化に向けた新技術に対する開発遅延 ・気候変動を背景とした需給バランスの変化による原材料コストの上昇 ・冷媒や省エネといった環境規制の強化 <p>空調機では、省エネルギー化やリサイクル設計など、地球環境保全に配慮し環境負荷低減や循環型社会形成に貢献する製品設計をはじめ、社会課題を解決し、持続可能な社会実現に貢献する研究開発活動を進めております。原材料コスト増への対応として、当社の熱交換器に使用される銅において、アルミへの転換を進めており、2022年度より転換した機種を一部投入しました。</p> <p>情報通信システムでは、消防システム、防災システムの性能・機能向上など商品力強化を進めております。</p> <p>電子デバイスでは、パワーエレクトロニクス製品の小型化や、省エネに繋がる高効率化を実現する小型GaNモジュールの開発を新たに進めております。現在主流のSiデバイスと比較して、デバイス自体の消費電力を約50%削減する製品であり、温室効果ガスの排出量削減への大きな寄与が期待できます。</p>
Operations	Yes	<p><リスク・機会></p> <ul style="list-style-type: none"> ・炭素税や排出権取引の導入などにより、製品の製造においてコストが増加 <p>供給網（カテゴリー11を除くScope3）において、温室効果ガスの排出量を2035年度までに2018年度比30%削減を目指しています。なお、2022年4月1日で、グループ全体の使用電力を再エネ100%に転換しています。（一部賃貸物件は除く）</p> <p>主な施策は以下です。</p> <ul style="list-style-type: none"> ・生産拠点、開発拠点、事務所における再生可能エネルギーの活用、省エネ設備購入（排ガス処理装置電炉化） ・生産拠点、販売拠点におけるフロンの漏洩防止 ・車両（自社保有・リース・フォークリフト）HV/EV化推進 ・資源の有効利用（廃棄物の削減・水リスクへの対応） ・化学物質大気排出量削減 ・脱プラスチックの推進 <p>このほか、業績や企業イメージ向上、事業変革等に貢献し、社内外に影響をもたらした取り組みを年に1度表彰する制度があり、環境対応や環境保全活動に大きく寄与したと認められる業務も表彰の対象となっております。表彰者には、取り組みの内容に応じて、賞金・記念品等が支給されます。</p>

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 Capital expenditures Capital allocation	<p><売上> 当社製品の1つである A T W（ヒートポンプ式温水暖房システム）において、フランスにおける環境負荷の低減を目的とした補助金政策により販売増となり、2022年度の欧州全体での売上が前年度比+30%となっております。 フランス以外でも類似の補助金導入が予定されているほか、当社製品に使用されている「ヒートポンプ技術」は欧州で再生可能エネルギーと位置付けられていることから、今後の継続的な売上増が期待できます。 また、気候変動による気温上昇により、空調機の需要増加による売上増が見込まれる一方、逆に気温低下となった場合、需要減による売上減も想定されます。</p> <p><資本支出・資本配分> また、温室効果ガス排出量削減や社会貢献度の高い製品、サービスを独自に認定する「サステナブル・プロダクト（以下サスプロ）」制度を導入し、2030年度までに「サスプロ」認定機器・サービスの連結売上高構成比30%以上を目指しております。認定機器には優先的に投資を行うほか、独自のイメージマークを制作し、対外的にも取り組みを発信してまいります。</p> <p>なお、「サスプロ」の中で、貢献度の高いものを「サスプロ・ゴールド」に認定します。 当社の電子デバイス事業では、パワーエレクトロニクス製品の小型化や、省エネに繋がる高効率化を実現する小型GaNモジュール「サスプロ・ゴールド」と認定しております。現在主流のSiデバイスと比較してデバイス自体の消費電力を約50%削減する製品であり、温室効果ガスの排出量削減に大きな寄与が期待できることから、今後も継続的な投資を行う計画となっております。</p> <p>さらに、イノベーションを継続的に生み出す仕組みとして、個人の発想を起点に、気候変動などの社会課題を解決する事業の創出に向けたプログラムである「The future of innovation challenge」を行っております。国内外の全社員から事業アイデアを募集した上で複数回の選考を行い、事業化の審査が下りたアイデアについては、所定労働時間の10%をアイデアの実現に使うことができるほか、自社内において試作・評価場所の提供等も行っております。 財務計画に気候関連リスクと機会の影響をより織り込めるよう、継続して計画の策定を行っております。</p>

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	Indicate the level at which you identify the alignment of your spending/revenue with a sustainable finance taxonomy
Row 1	No, and we do not plan to in the next two years	<Not Applicable>

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, but we anticipate setting one in the next two years

Target ambition

<Not Applicable>

Year target was set

2023

Target coverage

Company-wide

Scope(s)

Scope 1
Scope 2

Scope 2 accounting method

Market-based

Scope 3 category(ies)

<Not Applicable>

Base year

2021

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

24497

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

40388

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year total Scope 3 emissions covered by target (metric tons CO2e)

<Not Applicable>

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

64885

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 Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1:

Purchased goods and services (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

<Not Applicable>

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

<Not Applicable>

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

100

Target year

2026

Targeted reduction from base year (%)

100

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

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

20604

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

0

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

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

20604

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]

Target status in reporting year

Revised

Please explain target coverage and identify any exclusions

この目標は全社的なもので、Scope1と2の排出量の95%をカバーしています。欧州の一部の事業所や報告対象期間中に設立した拠点は、データ入手が困難なため若干の除外があります。また、この目標には土地関連の排出は含まれていません。

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

生産拠点、開発拠点、事務所における再生可能エネルギー（太陽光発電等）の活用、省エネ設備の積極導入、フロン漏洩防止、グリーン電力証書購入方式での再生可能エネルギー電力への切り替え、化石燃料使用機器のEV化等の施策により、Scope1およびScope2を実質ゼロにすることを目指します。報告年度中（2022年4月）に、目標年を2030年度から2025年度へと前倒しました。進捗曲線は変動する可能性があります。

List the emissions reduction initiatives which contributed most to achieving this target

<Not Applicable>

Target reference number

Abs 2

Is this a science-based target?

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

Target ambition

<Not Applicable>

Year target was set

2020

Target coverage

Business division

Scope(s)

Scope 3

Scope 2 accounting method

<Not Applicable>

Scope 3 category(ies)

Category 11: Use of sold products

Base year

2013

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

<Not Applicable>

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

<Not Applicable>

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

51154777

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year total Scope 3 emissions covered by target (metric tons CO2e)

51154777

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

51154777

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

<Not Applicable>

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

<Not Applicable>

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

99.843

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

<Not Applicable>

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

96.555

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

96.555

Target year

2030

Targeted reduction from base year (%)

30

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

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

<Not Applicable>

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

<Not Applicable>

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

40805227.767

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

40805227.767

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

40805227.767

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]

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

2013年を基準年とし、Scope3のカテゴリ11について2030年まで30%削減することを目標としています。目標の対象範囲は空調機器の販売であり、その他事業部の製品は除外しています。

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

より省エネ性の高いエアコンの提供や、インド、中東地域における非インバーターエアコンの高効率インバーターエアコンへの転換により、2013年度比20%削減で進捗しています。

List the emissions reduction initiatives which contributed most to achieving this target

<Not Applicable>

Target reference number

Abs 3

Is this a science-based target?

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

Target ambition

<Not Applicable>

Year target was set

2020

Target coverage

Company-wide

Scope(s)

Scope 3

Scope 2 accounting method

<Not Applicable>

Scope 3 category(ies)

Category 1: Purchased goods and services

Category 2: Capital goods

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

Category 4: Upstream transportation and distribution

Category 5: Waste generated in operations

Category 6: Business travel

Category 7: Employee commuting

Category 9: Downstream transportation and distribution

Category 10: Processing of sold products

Category 12: End-of-life treatment of sold products

Base year

2018

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

<Not Applicable>

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

<Not Applicable>

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

879667.532

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

25888.02

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

2621.637

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

64788.108

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

1140.663

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

1501.089

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)
273.444

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)
47263.345

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)
12.857

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)
8965.358

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year total Scope 3 emissions covered by target (metric tons CO2e)
1032122.053

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
1032122.053

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
<Not Applicable>

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
<Not Applicable>

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)
100

Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)
100

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)
100

Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)
100

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)
100

Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)
100

Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)
100

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)
100

Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)
100

Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)
<Not Applicable>

Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)

<Not Applicable>

Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

3.083

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

3.083

Target year

2035

Targeted reduction from base year (%)

30

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

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

<Not Applicable>

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

<Not Applicable>

Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

739007.101

Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

25390.53

Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

3124.008

Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

91134.935

Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

2535.877

Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

1056.951

Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

311.487

Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

54138.608

Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)

43.741

Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

9880.238

Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)

<Not Applicable>

Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

926623.476

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

926623.476

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]

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

2018年を基準年とし、Scope3のカテゴリ1,2,3,4,5,6,7,9,10,12について2035年まで30%削減することを目標としています。カテゴリ8,13,14,15については、当社事業とは関連がなく、算定対象としていないため、除外項目はありません。

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

材料の使用量及び部品点数の削減、外注先のグリーン電力化促進等の取組みにより、調達部材の製造・輸送に伴う温室効果ガス排出量の削減を図る予定です。2022年度は2018年度比10%削減で進捗しています。

List the emissions reduction initiatives which contributed most to achieving this target

<Not Applicable>

C4.2

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

Target(s) to increase low-carbon energy consumption or production

Other climate-related target(s)

C4.2a

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

Target reference number

Low 1

Year target was set

2022

Target coverage

Company-wide

Target type: energy carrier

Electricity

Target type: activity

Consumption

Target type: energy source

Renewable energy source(s) only

Base year

2023

Consumption or production of selected energy carrier in base year (MWh)

89004

% share of low-carbon or renewable energy in base year

100

Target year

2023

% share of low-carbon or renewable energy in target year

100

% share of low-carbon or renewable energy in reporting year

100

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

<Calculated field>

Target status in reporting year

Achieved

Is this target part of an emissions target?

はい、排出量目標の一部です。

目標参照番号：Abs 1

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

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

<Not Applicable>

List the actions which contributed most to achieving this target

最も貢献した取組として、グリーン電力証書購入方式での再生可能エネルギー電力への切り替えが挙げられる。また、生産拠点、開発拠点、事務所における再生可能エネルギー（太陽光発電等）の活用、省エネ設備の積極導入も貢献している。

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

2019

Target coverage

Business division

Target type: absolute or intensity

Intensity

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

Waste management	metric tons of waste generated
------------------	--------------------------------

Target denominator (intensity targets only)

Other, please specify (生産高)

Base year

2019

Figure or percentage in base year

0.000000512

Target year

2023

Figure or percentage in target year

0.000000461

Figure or percentage in reporting year

0.000000626

% of target achieved relative to base year [auto-calculated]**Target status in reporting year**

Expired

Is this target part of an emissions target?

はい、排出量目標の一部です。

目標参照番号：Abs3

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

目標対象範囲は空調機部門の国内・海外工場としています。生産高あたりの廃棄物総排出量を2022年度までに10%以上削減（2018年度比）することを目標に掲げており、報告年度（2022年度）が目標年度でした。未達成となりましたが、今後も新規に目標掲げて継続的に廃棄物総排出量の削減を行っていきます。

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

<Not Applicable>

List the actions which contributed most to achieving this target

<Not Applicable>

Target reference number

Oth 2

Year target was set

2019

Target coverage

Business division

Target type: absolute or intensity

Intensity

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

Waste management	metric tons of waste generated
------------------	--------------------------------

Target denominator (intensity targets only)

Other, please specify (生産高)

Base year

2019

Figure or percentage in base year

0.000000104

Target year

2023

Figure or percentage in target year

0.000000094

Figure or percentage in reporting year

0.000000091

% of target achieved relative to base year [auto-calculated]**Target status in reporting year**

Achieved

Is this target part of an emissions target?

はい、排出量目標の一部です。

目標参照番号：Abs3

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

目標対象範囲は電子デバイス部門の工場としています。生産高あたりの廃棄物総排出量を2022年度までに10%以上削減（2018年度比）することを目標に掲げており、報告年度（2022年度）が目標年度でした。

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

<Not Applicable>

List the actions which contributed most to achieving this target

Target reference number

Oth 3

Year target was set

2019

Target coverage

Business division

Target type: absolute or intensity

Absolute

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

Waste management	Percentage of total waste generated that is recycled
------------------	--

Target denominator (intensity targets only)

<Not Applicable>

Base year

2023

Figure or percentage in base year

92.7

Target year

2023

Figure or percentage in target year

99

Figure or percentage in reporting year

92.7

% of target achieved relative to base year [auto-calculated]**Target status in reporting year**

Expired

Is this target part of an emissions target?

はい、排出量目標の一部です。

目標参照番号：Abs3

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

目標対象範囲は空調機部門の国内・海外工場としています。報告年度中の廃棄物総排出量に占める再資源化率を99%以上にすることを目標に掲げており、報告年度(2022年度)が目標年度でした。未達成となりましたが、今後も新規に目標を掲げて継続的に廃棄物の再資源化率向上を行っていきます。

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

<Not Applicable>

List the actions which contributed most to achieving this target

<Not Applicable>

Target reference number

Oth 4

Year target was set

2019

Target coverage

Business division

Target type: absolute or intensity

Absolute

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

Waste management	Percentage of total waste generated that is recycled
------------------	--

Target denominator (intensity targets only)

<Not Applicable>

Base year

2023

Figure or percentage in base year

93.8

Target year

2023

Figure or percentage in target year

99

Figure or percentage in reporting year

93.8

% of target achieved relative to base year [auto-calculated]**Target status in reporting year**

Expired

Is this target part of an emissions target?

はい、排出量目標の一部です。

目標参照番号：Abs3

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

目標対象範囲は電子デバイス部門の工場としています。報告年度中の廃棄物総排出量に占める再資源化率を99%以上にすることを目標に掲げており、報告年度（2022年度）が目標年度でした。未達成となりましたが、今後も新規に目標を掲げて継続的に廃棄物の再資源化率向上を行ってまいります。

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

<Not Applicable>

List the actions which contributed most to achieving this target

<Not Applicable>

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

Yes

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

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	0	0
To be implemented*	2	1304
Implementation commenced*	0	0
Implemented*	3	1270
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**

Low-carbon energy consumption	Solar PV
-------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

1020

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

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

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

9068000

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

0

Payback period

No payback

Estimated lifetime of the initiative

16-20 years

Comment

カーボンニュートラル推進に向けた取り組みの一環として、当社タイにおける空調機製造拠点FUJITSU GENERAL (THAILAND) CO., LTD.およびFGA (THAILAND) CO., LTD.に太陽光発電システムをオンサイトPPA方式にて設置し、2022年5月度より発電を開始しました。この活動により、年間約1020トンのCO2排出削減に繋がります。

Initiative category & Initiative type

Estimated annual CO2e savings (metric tonnes CO2e)

111

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

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

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

5652000

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

41000000

Payback period

4-10 years

Estimated lifetime of the initiative

6-10 years

Comment

カーボンニュートラル推進に向けた取り組みの一環として、川崎本社の空調技術棟および60m塔の照明更新（LED化）を行いました。この活動により、年間約111トンのCO2排出削減に繋がります。

Initiative category & Initiative type

Low-carbon energy consumption

Solar PV

Estimated annual CO2e savings (metric tonnes CO2e)

140

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)

302000

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

28935000

Payback period

>25 years

Estimated lifetime of the initiative

11-15 years

Comment

カーボンニュートラル推進に向けた取り組みの一環として、当社タイにおける空調機開発拠点FUJITSU GENERAL AIR CONDITIONING R&D (THAILAND) CO., LTD.は2019年より太陽光発電システムを設置しておりましたが、2022年7月度より増設を行いました。この活動により、年間約140トンのCO2排出削減に繋がります。

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

Method	Comment
Compliance with regulatory requirements/standards	
Dedicated budget for low-carbon product R&D	
Dedicated budget for other emissions reduction activities	

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

The EU Taxonomy for environmentally sustainable economic activities

Type of product(s) or service(s)

Heating and cooling	Air-source heat pump using heat recovery
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Description of product(s) or service(s)

当社の主力事業である家庭用・業務用ヒートポンプ

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

Yes

Methodology used to calculate avoided emissions

Other, please specify

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Use stage

Functional unit used

Reference product/service or baseline scenario used

Life cycle stage(s) covered for the reference product/service or baseline scenario

Use stage

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

Explain your calculation of avoided emissions, including any assumptions

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

91.22

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?

Yes, an acquisition

Yes, other structural change, please specify (合併会社の設立)

Name of organization(s) acquired, divested from, or merged with

- ・エアロシールド株式会社
- ・FGAHP

Details of structural change(s), including completion dates

・2021年3月に浮遊菌・ウイルス対策に効果的な紫外線照射装置を開発・販売するエアロシールド株式会社を子会社化しました。エアロシールド株式会社はデータ不足のため、前報告年のCDPへの回答（2021年度排出量データ）からは除外していますが、今回のCDPへの回答（2022年度排出量データ）には含まれています。

・2022年12月にGroupe Atlanticとの合併により、フランスにヒートポンプ式温水暖房システム（ATW）の現地生産を行う製造子会社FGAHPを設立しました。今回のCDPへの回答（2022年度排出量データ）には含まれていません。

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?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	Yes, a change in boundary	エアロシールド株式会社はデータ不足のため、前報告年のCDPへの回答（2021年度排出量データ）からは除外しましたが、今回のCDPへの回答（2022年度排出量データ）には含まれています。

C5.1c

(C5.1c) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in C5.1a and/or C5.1b?

	Base year recalculation	Scope(s) recalculated	Base year emissions recalculation policy, including significance threshold	Past years' recalculation
Row 1	No, because the operations acquired or divested did not exist in the base year	<Not Applicable>		No

C5.2

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

Scope 1

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

24497

Comment

Scope 2 (location-based)

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

33078

Comment

Scope 2 (market-based)

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

40388

Comment

Scope 3 category 1: Purchased goods and services

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

897590.718

Comment

Scope 3 category 2: Capital goods

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

26972.61

Comment

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

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

2862.781

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

70668.996

Comment

Scope 3 category 5: Waste generated in operations

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

2926.928

Comment

Scope 3 category 6: Business travel

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

576.129

Comment

Scope 3 category 7: Employee commuting

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

312.299

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

38806.053

Comment

Scope 3 category 10: Processing of sold products

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

27.738

Comment

Scope 3 category 11: Use of sold products

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

26898531.211

Comment

Scope 3 category 12: End of life treatment of sold products

Base year start

April 1 2020

Base year end

March 31 2021

Base year emissions (metric tons CO2e)

8872.769

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.3

(C5.3) 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

The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Standard

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)

20604

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

C6.2

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

Row 1

Scope 2, location-based

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We are reporting a Scope 2, market-based figure

Comment

C6.3

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

Reporting year

Scope 2, location-based

44386

Scope 2, market-based (if applicable)

0

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, 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

FUJITSU GENERAL (EURO) GmbH

Scope(s) or Scope 3 category(ies)

Scope 1
Scope 2 (location-based)
Scope 2 (market-based)
Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)
Scope 3: Waste generated in operations

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

Emissions are not relevant

Relevance of Scope 3 emissions from this source

Emissions are not relevant

Date of completion of acquisition or merger

<Not Applicable>

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

0

Estimated percentage of total Scope 3 emissions this excluded source represents

0

Explain why this source is excluded

FUJITSU GENERAL (EURO) GmbHは、2022年度のScope1,2関連データ（電力や燃料使用量）を取得することが困難であるため、2022年度Scope1,2排出量から除外しています。

Scope3については、電力の生産と輸送によって生じる排出量、および廃棄物から生じる排出量に関するデータを入手できないため、除外しています。

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

FUJITSU GENERAL (EURO) GmbHの2021年度Scope1+2（ロケーション基準）排出量=29t-CO2

2022年度Scope1+2（ロケーション基準）排出量=64,990t-CO2

Scope1+2（ロケーション基準）排出量の推定割合=100% x 29/64,990 = 0.0446%

FUJITSU GENERAL (EURO) GmbHの2021年度Scope3カテゴリ3排出量 = 3t-CO2、Scope3カテゴリ5排出量 = 8t-CO2

2022年度Scope3排出量 = 41,731,851t-CO2

Scope3排出量の推定割合 = 100% x (3 + 8) / 41,731,851 = 0.000025%

Source of excluded emissions

FGAHP

Scope(s) or Scope 3 category(ies)

Scope 1

Scope 2 (location-based)

Scope 2 (market-based)

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

Scope 3: Waste generated in operations

Relevance of Scope 1 emissions from this source

Emissions excluded due to a recent acquisition or merger

Relevance of location-based Scope 2 emissions from this source

Emissions excluded due to a recent acquisition or merger

Relevance of market-based Scope 2 emissions from this source

Emissions excluded due to a recent acquisition or merger

Relevance of Scope 3 emissions from this source

Emissions excluded due to a recent acquisition or merger

Date of completion of acquisition or merger

December 1 2022

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

<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents

<Not Applicable>

Explain why this source is excluded

2022年12月にGroupe Atlanticとの合併により、フランスにヒートポンプ式温水暖房システム（ATW）の現地生産を行う製造子会社FGAHPを設立しました。FGAHPは報告対象期間中に設立したため、今回のCDPへの回答（2022年度排出量データ）からは除外しています。

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

<Not Applicable>

Source of excluded emissions

海外の連結子会社の従業員の出張によって生じる排出量

Scope(s) or Scope 3 category(ies)

Scope 3: Business travel

Relevance of Scope 1 emissions from this source

<Not Applicable>

Relevance of location-based Scope 2 emissions from this source

<Not Applicable>

Relevance of market-based Scope 2 emissions from this source

<Not Applicable>

Relevance of Scope 3 emissions from this source

Emissions are relevant but not yet calculated

Date of completion of acquisition or merger

<Not Applicable>

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

<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents

0

Explain why this source is excluded

海外の連結子会社について、従業員の出張によって生じる排出量に関するデータを入手できないため、除外しています。

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

2020年度の海外連結子会社の従業員数と従業員数当たりの排出原単位により2020年度のカテゴリ6を推定しました。

排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

2020年度海外連結子会社従業員数 = 7,542名

2020年度のScope3カテゴリ6 = 980t-CO2

2022年度Scope3排出量 = 41,731,851t-CO2

Scope3排出量の推定割合 = $100\% \times 980 / 41,731,851 = 0.00235\%$

Source of excluded emissions

海外の連結子会社の従業員の通勤によって生じる排出量

Scope(s) or Scope 3 category(ies)

Scope 3: Employee commuting

Relevance of Scope 1 emissions from this source

<Not Applicable>

Relevance of location-based Scope 2 emissions from this source

<Not Applicable>

Relevance of market-based Scope 2 emissions from this source

<Not Applicable>

Relevance of Scope 3 emissions from this source

Emissions are relevant but not yet calculated

Date of completion of acquisition or merger

<Not Applicable>

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

<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents

0

Explain why this source is excluded

海外の連結子会社について、従業員の通勤によって生じる排出量に関するデータを入手できないため、除外しています。

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

2020年度の海外連結子会社の従業員数と勤務形態別都市区分別従業員数・勤務日数当たりの排出原単位により2020年度のカテゴリ7を推定しました。

排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

2020年度海外連結子会社従業員数 = 7,542名

2020年度のScope3カテゴリ7 = 2,708t-CO2

2022年度Scope3排出量 = 41,731,851t-CO2

Scope3排出量の推定割合 = $100\% \times 2,708 / 41,731,851 = 0.00669\%$

Source of excluded emissions

空調機以外の当社製品の使用に伴う排出量

Scope(s) or Scope 3 category(ies)

Scope 3: Use of sold products

Relevance of Scope 1 emissions from this source

<Not Applicable>

Relevance of location-based Scope 2 emissions from this source

<Not Applicable>

Relevance of market-based Scope 2 emissions from this source

<Not Applicable>

Relevance of Scope 3 emissions from this source

Emissions are relevant and calculated, but not disclosed

Date of completion of acquisition or merger

<Not Applicable>

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

<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents

0

Explain why this source is excluded

空調機以外の製品の使用に伴う排出量に関するデータについて、正確なデータを入手できないことと、全体に対する影響が僅少であると判断したため、除外しています。

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

情報通信システム製品の2021年度Scope3カテゴリ11排出量 = 3582t-CO₂

車載カメラの2021年度Scope3カテゴリ11排出量 = 984t-CO₂

2022年度Scope3排出量 = 41,731,851t-CO₂

Scope3排出量の推定割合 = $100\% \times (3582 + 982) / 41,731,851 = 0.01094\%$

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

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

739007.101

Emissions calculation methodology

Average data method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度内における購入物品量と購入金額、各分類のCO₂排出係数を乗じて計算しました。

Capital goods**Evaluation status**

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

25390.53

Emissions calculation methodology

Spend-based method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度の設備投資額と金額当たりのCO₂排出係数より計算しました。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

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

Relevant, calculated

Emissions in reporting year (metric tons CO₂e)

3124.008

Emissions calculation methodology

Average data method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度に購入したエネルギー量と燃料調達時のCO₂排出係数より計算しました。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

91134.935

Emissions calculation methodology

Distance-based method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。物流部門から入手した出荷データの輸送重量と輸送距離及び輸送タイプ別のCO2排出係数より計算しました。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。対象としたライフサイクルのステージは、Tank to Wheelです。

Waste generated in operations

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

2535.877

Emissions calculation methodology

Waste-type-specific method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。各廃棄物の排出量と廃棄物種類・処理方法別のCO2排出係数より計算しました。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

Business travel

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

1056.951

Emissions calculation methodology

Other, please specify (出張日数と出張種別のCO2排出係数より算出)

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度の延べ出張日数と出張種別のCO2排出係数より計算しました。対象は、日本国内に在籍している従業員の国内海外出張です。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

Employee commuting

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

311.487

Emissions calculation methodology

Spend-based method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度の通勤手段ごとの支給金額と交通費支給額当たりのCO2排出係数より計算しました。対象は、日本国内の従業員の通勤です。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons 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

スコープ1とスコープ2を除いて、上流のリース資産からの排出はありません。

Downstream transportation and distribution

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

54138.608

Emissions calculation methodology

Distance-based method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。輸送重量と輸送距離及び輸送タイプ別のCO2排出係数より計算しました。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」を参照しています。対象としたライフサイクルのステージは、Tank to Wheelです。

Processing of sold products

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

43.741

Emissions calculation methodology

Average data method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度の車載カメラの販売台数、製品重量、重量あたりのCO2排出係数により計算しました。排出原単位は「JLCA-LCAデータベース 2004年度 2版」を参照しています。

Use of sold products

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

40805227.767

Emissions calculation methodology

Methodology for direct use phase emissions, please specify (販売した製品の年間消費電力量、電力のCO2排出係数、耐久年数、2022年度の販売台数より計算しました。使用した排出原係数はIEA「Emissions Factors」の最新国別係数です。)

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。年間消費電力量、電力のCO2排出係数、耐久年数、2022年度の販売台数より計算しました。対象は全世界で販売された空調機です。排出原単位はIEA「Emissions Factors」の最新国別係数を参照しています。

End of life treatment of sold products

Evaluation status

Relevant, calculated

Emissions in reporting year (metric tons CO2e)

9880.238

Emissions calculation methodology

Waste-type-specific method

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

0

Please explain

日本の環境省の「サプライチェーンを通じた温室効果ガス排出量算定に関する基本ガイドライン」に基づき算出しています。2022年度に使用者より廃棄された製品台数、製品重量、CO2排出係数より計算しました。対象は全世界で販売された製品です。排出原単位は「サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース (Ver2.5)」

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons 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

当社は賃貸しているリース資産がありません。

Franchises**Evaluation status**

Not relevant, explanation provided

Emissions in reporting year (metric tons 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

当社が主催するフランチャイズはありません。

Investments**Evaluation status**

Not relevant, explanation provided

Emissions in reporting year (metric tons 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

当社は株式投資を行っていません。

Other (upstream)**Evaluation status****Emissions in reporting year (metric tons 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**Other (downstream)****Evaluation status****Emissions in reporting year (metric tons 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**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	Yes	

C-CG6.6a**(C-CG6.6a) Provide details of how your organization assesses the life cycle emissions of its products or services.**

	Products/services assessed	Life cycle stage(s) most commonly covered	Methodologies/standards/tools applied	Comment
Row 1	Representative selection of products/services	Cradle-to-grave	ISO 14040 & 14044	

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

0.0000000663

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

20604

Metric denominator

unit total revenue

Metric denominator: Unit total

310578000000

Scope 2 figure used

Market-based

% change from previous year

57.19

Direction of change

Decreased

Reason(s) for change

Change in renewable energy consumption

Change in revenue

Please explain

原単位が減少した理由としては、売上高の増加およびC4.3bで記載したイニシアチブである当社タイにおける空調機製造・開発拠点への太陽光発電システムの設置、本社の照明更新（LED化）等による再生可能エネルギー使用量が増加したことがあげられます。

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	12320	IPCC Fourth Assessment Report (AR4 - 100 year)
HFCs	8284	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)
Asia Pacific (or JAPA)	18404
United States of America	9
Europe	119
Oceania	2039
Middle and Near East	33

C7.3

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

- By business division
- By facility
- 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)
空調機事業部門	20505
情報通信システム・電子デバイス事業部門	99
その他部門	0

C7.3b

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

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
富士通ゼネラル本社	607.777	35.591743	139.618942
富士通ゼネラルエレクトロニクス (FGEL)	98.713	38.92334	141.140137
富士エコサイクル	0.02	34.81448	137.687454
青森事業所	96.062	40.721512	141.143494
浜松事業所	0.039	34.81448	137.687454
松原事業所	90.439	34.577751	135.564072
北海道支店	34.214	43.067314	141.335052
盛岡営業所	32.773	39.63649	141.113403
東北支店	78.112	38.261951	140.939362
郡山営業所	23.59	37.403751	140.362183
水戸営業所	11.877	36.355602	140.469467
宇都宮サテライト	5.698	36.55365	139.906448
上信越支店	29.013	36.371986	139.04863
北関東支店	42.872	35.958828	139.603485
東関東支店	11.845	35.715836	140.123398
東京支店	7.859	35.67247	139.777191
厚木営業所	8.739	35.436745	139.360474
東海支店	53.15	35.181835	137.003723
北陸支店	23.268	36.567104	136.602768
神戸支店	16.755	34.663826	135.015854
中国支店	77.365	34.381191	132.424759
四国支店	34.378	34.288177	134.029282
九州支店	106.437	33.551453	130.436691
九州南支店	28.105	31.542053	130.538925
山形サービスセンター	4.092	38.261314	140.318954
新潟サービスセンター	14.697	37.898727	139.026184
松本サービスセンター	4.057	36.23888	137.945709
千葉サービスセンター	7.937	35.682774	140.122086
東京第一サービスセンター	10.758	35.783218	139.838669
東京第二サービスセンター	2.913	35.71394	139.554993
東京第三サービスセンター	7.15	35.666309	139.374557
静岡サービスセンター	8.839	34.976955	138.393845
浜松サービスセンター	5.991	34.717663	137.75946
三重サービスセンター	7.863	34.669987	136.474152
京都サービスセンター	3.106	34.957409	135.710403
岡山サービスセンター	8.212	34.649216	133.909134
松江サービスセンター	4.279	35.44268	133.062485
北九州サービスセンター	5.444	33.837307	130.931351
熊本サービスセンター	1.249	32.793636	130.732391
FGEL西日本営業部	0	34.703396	135.195633
FUJITSU GENERAL (THAILAND) CO., LTD.	10090.157	13.08594	100.89825
FUJITSU GENERAL AIR CONDITIONING R&D (THAILAND) CO., LTD.	62.286	13.08628	100.90885
FUJITSU GENERAL (SHANGHAI) CO., LTD.	3968.033	31.36826	121.25791
FGA (THAILAND) CO., LTD.	409.02	13.08628	100.90885
FUJITSU GENERAL CENTRAL AIR-CONDITIONER (WUXI) CO., LTD.	2000.185	31.49078	120.40514
FUJITSU GENERAL (ASIA) PTE. LTD.	0	1.3071	103.75753
FUJITSU GENERAL (TAIWAN) CO., LTD.	161.272	24.2296	120.69039
FUJITSU GENERAL SALES & TRADING (SHANGHAI) CO., LTD.	14.162	31.22506	121.53634
FUJITSU GENERAL ELECTRONICS (SUZHOU) CO., LTD.	0	31.31961	120.77058
FUJITSU GENERAL AMERICA, INC.	0	40.86394	-74.34237
FUJITSU GENERAL DO BRASIL LTDA.	9.05	-23.56725	-46.64411
FUJITSU GENERAL AIR CONDITIONING (UK) LIMITED	58.135	51.64022	-0.30723
エアロシールド株式会社	7.816	33.18457	131.56695
FUJITSU GENERAL (AUST.) PTY LIMITED	487.266	-33.81192	150.83227
FUJITSU GENERAL NEW ZEALAND LIMITED	84.908	-41.24743	174.90351
PRECISE AIR GROUP (HOLDINGS) PTY LIMITED	1466.955	-33.84904	151.05373
FUJITSU GENERAL (MIDDLE EAST) FZE	32.501	24.96538	55.10751
FUJITSU GENERAL (INDIA) PRIVATE LIMITED	0	13.0388	80.21155
ABS FUJITSU GENERAL PRIVATE LIMITED	4.715	12.98565	77.57694
FUJITSU GENERAL (ITALIA) S.p.A	60.943	45.55453	9.24904
甲府サービスセンター (情報通信)	4.406	35.630056	138.571479
富山サービスセンター (情報通信)	5.857	36.662389	137.201178
松山サービスセンター (情報通信)	4.999	33.821138	132.765145
F.G.L.S. ELECTRIC CO., LTD.	55.2	31.992771	120.252997

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

Activity	Scope 1 emissions (metric tons CO2e)
生産活動	16717
研究開発活動	670
営業・サービス活動	3216

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)
Asia Pacific (or JAPA)	43793	0
United States of America	151	0
Europe	33	0
Oceania	375	0
Middle and Near East	34	0

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)
空調機事業部門	41658	0
情報通信システム・電子デバイス事業部門	1983	0
その他部門	745	0

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)
富士通ゼネラル本社	7448.785	0
富士通ゼネラルエレクトロニクス (FGEL)	1976.957	0
富士エコサイクル	744.834	0
青森事業所	318.517	0
浜松事業所	20.268	0
松原事業所	149.956	0
北海道支店	4.35	0
盛岡営業所	5.184	0
東北支店	23.008	0
郡山営業所	4.115	0
水戸営業所	2.362	0
宇都宮サテライト	6.175	0
上信越支店	5.627	0
北関東支店	18.832	0
東関東支店	8.716	0
東京支店	16.054	0
厚木営業所	8.887	0
東海支店	20.701	0
北陸支店	5.662	0
神戸支店	8.254	0
中国支店	16.28	0
四国支店	6.73	0
九州支店	21.792	0
九州南支店	5.408	0
山形サービスセンター	2.417	0
新潟サービスセンター	4.435	0
松本サービスセンター	3.739	0
千葉サービスセンター	7.501	0
東京第一サービスセンター	17.985	0
東京第二サービスセンター	7.858	0
東京第三サービスセンター	4.386	0
静岡サービスセンター	3.179	0
浜松サービスセンター	3.913	0
三重サービスセンター	2.238	0
京都サービスセンター	3.906	0
岡山サービスセンター	3.744	0
松江サービスセンター	1.6	0
北九州サービスセンター	1.875	0
熊本サービスセンター	4.756	0
FGEL西日本営業部	6.169	0
FUJITSU GENERAL (THAILAND) CO., LTD.	13086.771	0
FUJITSU GENERAL AIR CONDITIONING R&D (THAILAND) CO., LTD.	1559.978	0
FUJITSU GENERAL (SHANGHAI) CO., LTD.	12051.466	0
FGA (THAILAND) CO., LTD.	2205.904	0
FUJITSU GENERAL CENTRAL AIR-CONDITIONER (WUXI) CO., LTD.	1884.083	0
FUJITSU GENERAL (ASIA) PTE. LTD.	5.025	0
FUJITSU GENERAL (TAIWAN) CO., LTD.	82.104	0
FUJITSU GENERAL SALES & TRADING (SHANGHAI) CO., LTD.	6.795	0
FUJITSU GENERAL ELECTRONICS (SUZHOU) CO., LTD.	3.022	0
FUJITSU GENERAL AMERICA, INC.	146.386	0
FUJITSU GENERAL DO BRASIL LTDA.	4.954	0
FUJITSU GENERAL AIR CONDITIONING (UK) LIMITED	21.02	0
エアロシールド株式会社	3.077	0
FUJITSU GENERAL (AUST.) PTY LIMITED	198.347	0
FUJITSU GENERAL NEW ZEALAND LIMITED	6.852	0
PRECISE AIR GROUP (HOLDINGS) PTY LIMITED	169.932	0
FUJITSU GENERAL (MIDDLE EAST) FZE	34.221	0
FUJITSU GENERAL (INDIA) PRIVATE LIMITED	115.325	0
ABS FUJITSU GENERAL PRIVATE LIMITED	16.72	0
FUJITSU GENERAL (ITALIA) S.p.A	11.814	0
甲府サービスセンター (情報通信)	2.377	0
富山サービスセンター (情報通信)	1.032	0
松山サービスセンター (情報通信)	0	0
F.G.L.S. ELECTRIC CO., LTD.	1841.867	0

(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)
生産活動	34110	0
研究開発活動	9009	0
営業・サービス活動	1267	0

C7.7

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

No

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 in emissions	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	12373.3	Decreased	29.03	2022年度は太陽光発電システムの発電量増加、グリーン電力メニューへの切替、再生可能エネルギー証書の購入により、12373.3トンのCO2が削減され、2021年度のスコープ1及びスコープ2マーケット基準の総排出量は42625トンでした。したがって、 $(-12373.3/42625) \times 100 = -29.03\%$ により、29.03%の排出量が減少しました。C4.3bに太陽光発電システムの発電量増加についてのイニシアティブの詳細を記載しています。
Other emissions reduction activities	111	Decreased	0.26	2022年度は川崎本社の空調技術棟および60m塔の照明更新 (LED化) により、111トンのCO2が減少し、2021年度のスコープ1及びスコープ2マーケット基準の総排出量は42625トンでした。したがって、 $(111/42625) \times 100 = 0.26\%$ により、0.26%の排出量が減少しました。この排出削減イニシアティブはC4.3bに記載されています。
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output		<Not Applicable>		
Change in methodology		<Not Applicable>		
Change in boundary	7.8	Increased	0.02	2022年度実績からエアロシールド株式会社を報告対象に含めたため、7.8トンのCO2が増加し、2021年度のスコープ1及びスコープ2マーケット基準の総排出量は42625トンでした。したがって、 $(7.8/42625) \times 100 = 0.02\%$ により、0.02%の排出量が増加しました。
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

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

Market-based

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?

Increased

(C-CG7.10a) For each Scope 3 category calculated in C6.5, specify how your emissions compare to the previous year and identify the reason for any change.

Purchased goods and services

Direction of change

Decreased

Primary reason for change

Change in methodology

Change in emissions in this category (metric tons CO2e)

144635.11

% change in emissions in this category

16.37

Please explain

2022年度は生産高が前年比19.6%増加。生産高の増加に伴い、対象となる購入商品およびサービスも前年より65.9%増加しましたが、排出量1t-CO2以上となる対象品は前年度3.6%減少となりました。部材が増えたのに減少となった要因のひとつ目としてはCO2排出原単位とGHG排出原単位の混在をCO2排出量原単位に統一しました。ふたつ目としては、紐付けする排出係数の分類を見直しました。例えば「ICミニフラット」の分類を2021年度は「その他の電子部品」としていましたが、2022年度は「集積回路」に変更しました。同様に「その他の電子部品」とひとまとめに分類していたものを詳細に分類しなおし、係数を変更することで、排出量が2021年度比16%減少となりました。

Capital goods

Direction of change

Increased

Primary reason for change

Other, please specify (設備投資額の増加)

Change in emissions in this category (metric tons CO2e)

49.44

% change in emissions in this category

0.2

Please explain

2021年度より設備投資額約が約1600万円増加しました。

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

Direction of change

Increased

Primary reason for change

Change in boundary

Change in emissions in this category (metric tons CO2e)

135.59

% change in emissions in this category

4.54

Please explain

2021年度は除外していた海外生産工場であるF.G.L.S. ELECTRIC CO., LTD.を算定対象として追加しました。

Upstream transportation and distribution

Direction of change

Increased

Primary reason for change

Change in output

Change in emissions in this category (metric tons CO2e)

15526.57

% change in emissions in this category

20.54

Please explain

対象である海外地域向け空調機の販売が2021年度より約20%増加したため、輸送量も増加しました。また、生産工場である中国やタイから遠い距離である、欧州や北米への輸送が2021年度より約15%増加しました。

Waste generated in operations

Direction of change

Increased

Primary reason for change

Other, please specify (オフィスごみ排出量の増加)

Change in emissions in this category (metric tons CO2e)

95.36

% change in emissions in this category

3.91

Please explain

全体の排出量の約半数を占めるFUJITSU GENERAL (SHANGHAI) CO., LTD.の事業系ゴミによる排出が約2%増加しました。

Business travel

Direction of change

Increased

Primary reason for change

Other, please specify (新型コロナウイルス感染症対策緩和による出張の増加)

Change in emissions in this category (metric tons CO2e)

87.77

% change in emissions in this category

9.06

Please explain

新型コロナウイルス感染症対策が緩和され、出張件数および出張日数が2021年度より約7%増加しました。また、海外への出張件数については約85%増加し、全体の排出量の10%を占めています。

Employee commuting

Direction of change

Increased

Primary reason for change

Other, please specify (通勤支給額の増加)

Change in emissions in this category (metric tons CO2e)

27.18

% change in emissions in this category

9.56

Please explain

対象である日本国内の従業員の年間通勤支給額が、2021年度より約9%増加しました。

Downstream transportation and distribution

Direction of change

Increased

Primary reason for change

Change in output

Change in emissions in this category (metric tons CO2e)

9483.35

% change in emissions in this category

21.24

Please explain

対象である海外地域向け空調機の販売が2021年度より約20%増加したため、輸送量も増加しました。また、中東への輸送が2021年度より約75%増加したことも起因しています。

Processing of sold products

Direction of change

Increased

Primary reason for change

Change in output

Change in emissions in this category (metric tons CO2e)

6.36

% change in emissions in this category

17.01

Please explain

対象である車載カメラの生産量が、2021年度より約12%増加しました。

Use of sold products

Direction of change

Increased

Primary reason for change

Change in methodology

Change in emissions in this category (metric tons CO₂e)

12805833.02

% change in emissions in this category

45.74

Please explain

第三者保証の取得に向け、計算方法を見直しました。具体的には業務用空調機の製品寿命を社内の規定に則り、10年から13年に変更しました。また、販売した海外地域向け空調機の台数が2021年度より約20%増加したこと（特に電力係数の大きい中東向けの大幅な増加）も起因しています。

End-of-life treatment of sold products

Direction of change

Increased

Primary reason for change

Change in output

Change in emissions in this category (metric tons CO₂e)

812.31

% change in emissions in this category

8.96

Please explain

対象である海外地域向け空調機の販売台数が、2021年度より約20%増加しました。

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)	HHV (higher heating value)	0	56224.53	56224.53
Consumption of purchased or acquired electricity	<Not Applicable>	88248.81	0	88248.81
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>	755.06	<Not Applicable>	755.06
Total energy consumption	<Not Applicable>	89003.87	56224.53	145228.4

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	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.

Sustainable biomass

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Other biomass

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Coal**Heating value**

Unable to confirm heating value

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment**Oil****Heating value**

HHV

Total fuel MWh consumed by the organization

51383.76

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

51383.76

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment**Gas****Heating value**

HHV

Total fuel MWh consumed by the organization

4840.77

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

3241.67

MWh fuel consumed for self-generation of steam

1599.1

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

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

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

0

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Total fuel

Heating value

HHV

Total fuel MWh consumed by the organization

56224.53

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

54625.43

MWh fuel consumed for self-generation of steam

1599.1

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

C8.2d

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

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	962.81	755.06	962.81	755.06
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 or near-zero emission factor in the market-based Scope 2 figure reported in C6.3.

Country/area of low-carbon energy consumption

Japan

Sourcing method

Retail supply contract with an electricity supplier (retail green electricity)

Energy carrier

Electricity

Low-carbon technology type

Low-carbon energy mix, please specify (排出ゼロメニュー)

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

24724

Tracking instrument used

NFC – Renewable

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

Japan

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

No

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

<Not Applicable>

Comment

日本国内の一部の事業所では、グリーン電力メニューを契約しています。

Country/area of low-carbon energy consumption

Japan

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

174

Tracking instrument used

NFC – Renewable

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

Japan

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2014

Comment

日本国内の一部の事業所では、報告年度中の電力消費量を補うため、非化石証書を購入しました。

Country/area of low-carbon energy consumption

Thailand

Sourcing method

Purchase from an on-site installation owned by a third party (on-site PPA)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

1981

Tracking instrument used

Contract

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

Thailand

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2023

Comment

タイにおける空調機製造拠点FUJITSU GENERAL (THAILAND) CO., LTD.およびFGA (THAILAND) CO., LTD.に太陽光発電システムをオンサイトPPA方式にて設置し、2022年5月度より発電を開始しました。

Country/area of low-carbon energy consumption

China

Sourcing method

Purchase from an on-site installation owned by a third party (on-site PPA)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

800

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?

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2021

Comment

中国における空調機製造拠点FUJITSU GENERAL CENTRAL AIR-CONDITIONER (WUXI) CO., LTD.に太陽光発電システムをオンサイトPPA方式にて設置し、2020年8月度より発電を開始しました。

Country/area of low-carbon energy consumption

Italy

Sourcing method

Retail supply contract with an electricity supplier (retail green electricity)

Energy carrier

Electricity

Low-carbon technology type

Low-carbon energy mix, please specify (排出ゼロメニュー)

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

45

Tracking instrument used

NFC – Renewable

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

Italy

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

No

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

<Not Applicable>

Comment

イタリアの事業所では、グリーン電力メニューを契約しています。

Country/area of low-carbon energy consumption

Australia

Sourcing method

Retail supply contract with an electricity supplier (retail green electricity)

Energy carrier

Electricity

Low-carbon technology type

Low-carbon energy mix, please specify (排出ゼロメニュー)

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

261

Tracking instrument used

NFC – Renewable

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

Australia

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

No

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

<Not Applicable>

Comment

オーストラリアの事業所では、グリーン電力メニューを契約しています。

Country/area of low-carbon energy consumption

New Zealand

Sourcing method

Retail supply contract with an electricity supplier (retail green electricity)

Energy carrier

Electricity

Low-carbon technology type

Low-carbon energy mix, please specify (排出ゼロメニュー)

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

9

Tracking instrument used

NFC – Renewable

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

New Zealand

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

No

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

<Not Applicable>

Comment

ニュージーランドの事業所では、グリーン電力メニューを契約しています。

Country/area of low-carbon energy consumption

Thailand

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Other biomass

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

31432

Tracking instrument used

I-REC

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

Thailand

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2014

Comment

タイの事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

Thailand

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

2307

Tracking instrument used

I-REC

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

Thailand

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2014

Comment

タイの事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

China

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Hydropower (capacity unknown)

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

24900

Tracking instrument used

I-REC

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?

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2009

Comment

中国の事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

India

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

36

Tracking instrument used

I-REC

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

India

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2022

Comment

インドの事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

India

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Wind

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

156

Tracking instrument used

I-REC

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

India

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

1999

Comment

インドの事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

Taiwan, China

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

150

Tracking instrument used

TIGR

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

Taiwan, China

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2019

Comment

台湾の事業所では、報告年度中の電力消費量を補うため、TIGRを購入しました。

Country/area of low-carbon energy consumption

United Arab Emirates

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

65

Tracking instrument used

I-REC

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

United Arab Emirates

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2017

Comment

アラブ首長国連邦の事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

Brazil

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

53

Tracking instrument used

I-REC

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

Brazil

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

No

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

<Not Applicable>

Comment

ブラジルの事業所では、報告年度中の電力消費量を補うため、I-RECを購入しました。

Country/area of low-carbon energy consumption

United States of America

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Wind

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

414

Tracking instrument used

US-REC

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

United States of America

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2017

Comment

米国の事業所では、報告年度中の電力消費量を補うため、US-RECを購入しました。

Country/area of low-carbon energy consumption

United Kingdom of Great Britain and Northern Ireland

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Wind

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

109

Tracking instrument used

REGO

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

United Kingdom of Great Britain and Northern Ireland

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2019

Comment

英国の事業所では、報告年度中の電力消費量を補うため、REGOを購入しました。

Country/area of low-carbon energy consumption

Australia

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Wind

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

282

Tracking instrument used

Australian LGC

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

Australia

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2015

Comment

オーストラリアの事業所では、報告年度中の電力消費量を補うため、Australian LGCを購入しました。

Country/area of low-carbon energy consumption

New Zealand

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

44

Tracking instrument used

Other, please specify (NZECs)

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

New Zealand

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2022

Comment

ニュージーランドの事業所では、報告年度中の電力消費量を補うため、NZECsを購入しました。

Country/area of low-carbon energy consumption

Singapore

Sourcing method

Unbundled procurement of energy attribute certificates (EACs)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

13

Tracking instrument used

TIGR

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

Singapore

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2016

Comment

シンガポールの事業所では、報告年度中の電力消費量を補うため、TIGRを購入しました。

Country/area of low-carbon energy consumption

Japan

Sourcing method

Purchase from an on-site installation owned by a third party (on-site PPA)

Energy carrier

Electricity

Low-carbon technology type

Solar

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

294

Tracking instrument used

Contract

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

Japan

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

Yes

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2022

Comment

川崎本社に太陽光発電システムをオンサイトPPA方式にて設置し、2022年3月度より発電を開始しました。

C8.2g

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

Australia

Consumption of purchased electricity (MWh)

542.94

Consumption of self-generated electricity (MWh)

101.86

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Brazil

Consumption of purchased electricity (MWh)

53.22

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

India

Consumption of purchased electricity (MWh)

191.56

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Italy

Consumption of purchased electricity (MWh)

44.63

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Japan

Consumption of purchased electricity (MWh)

25192.72

Consumption of self-generated electricity (MWh)

500.34

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

China

Consumption of purchased electricity (MWh)

25699.55

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

New Zealand

Consumption of purchased electricity (MWh)

52.95

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Singapore

Consumption of purchased electricity (MWh)

13.08

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Taiwan, China

Consumption of purchased electricity (MWh)

150.37

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

Thailand

Consumption of purchased electricity (MWh)

35719.91

Consumption of self-generated electricity (MWh)

152.86

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

United Arab Emirates

Consumption of purchased electricity (MWh)

64.84

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

United Kingdom of Great Britain and Northern Ireland

Consumption of purchased electricity (MWh)

108.8

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

Country/area

United States of America

Consumption of purchased electricity (MWh)

414.22

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

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]

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	Yes	

C-CG8.5a

(C-CG8.5a) Provide details of the metrics used to measure the efficiency of your organization's products or services.

Category of product or service

Heating & cooling systems

Product or service (optional)

% of revenue from this product or service in the reporting year

91.22

Efficiency figure in the reporting year

5.9

Metric numerator

watt-hour

Metric denominator

watt-hour

Comment

当社は、製造する空調機について、JIS C 9612:2013に基づき 通年エネルギー消費効率 (APF) を測定しています。代表機種として、「AS-Z713N2」のAPFを報告年の効率数値に記載しました。

C9. Additional metrics

C9.1

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

Description

Please select

Metric value

Metric numerator

Metric denominator (intensity metric only)

% change from previous year

Direction of change

<Not Applicable>

Please explain

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	

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, please specify (ヒートポンプ)

Stage of development in the reporting year

Applied research and development

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

37

R&D investment figure in the reporting year (unit currency as selected in C0.4) (optional)

5749875000

Average % of total R&D investment planned over the next 5 years

40

Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

各国による省エネ規制強化や、経済発展による新興国での電力不足などに対応するためのエネルギー高効率化技術開発、また、欧州市場で求められる冷媒の低GWP化に対応するための技術開発、更に、ヒートポンプ技術を使用した温水暖房システム (ATW)の技術開発に積極的に投資しています。

C10. Verification

C10.1

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

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

C10.1a

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

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Underway but not complete for reporting year – previous statement of process attached

Type of verification or assurance

Limited assurance

Attach the statement

声明書 (英文報告書、CDPLーター) .pdf

Page/ section reference

1

Relevant standard

ISAE 3410

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

Underway but not complete for reporting year – previous statement of process attached

Type of verification or assurance

Limited assurance

Attach the statement

声明書 (英文報告書、CDPLーター) .pdf

Page/ section reference

1

Relevant standard

ISAE 3410

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

Underway but not complete for reporting year – previous statement of process attached

Type of verification or assurance

Limited assurance

Attach the statement

声明書 (英文報告書、CDPLーター) .pdf

Page/ section reference

1

Relevant standard

ISAE 3410

Proportion of reported emissions verified (%)

100

C10.1c

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

Scope 3 category

Scope 3: Use of sold products

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Underway but not complete for current reporting year – first year it has taken place

Type of verification or assurance

Limited assurance

Attach the statement

Page/section reference

Relevant standard

ISAE 3410

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, but we are actively considering verifying within the next two years

C11. Carbon pricing

C11.1

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

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

C11.2

(C11.2) Has your organization 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, but we anticipate doing so in the next two years

C12. Engagement

C12.1

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

Yes, our suppliers

C12.1a

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

Type of engagement

Information collection (understanding supplier behavior)

Details of engagement

Collect GHG emissions data at least annually from suppliers

Collect targets information at least annually from suppliers

Collect other climate related information at least annually from suppliers

% of suppliers by number

12

% total procurement spend (direct and indirect)

6

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

Rationale for the coverage of your engagement

日本国内の製品用部材サプライヤーで、前年度調達額の上位99%を対象として、自社のグリーン調達基準の要件として情報提供を要求している

Impact of engagement, including measures of success

CO2排出削減活動が定着してきている

Comment

C12.2

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

Yes, suppliers have to meet climate-related requirements, but they are not included in our supplier contracts

C12.2a

(C12.2a) Provide details of the climate-related requirements that suppliers have to meet as part of your organization's purchasing process and the compliance mechanisms in place.

Climate-related requirement

Setting a low-carbon energy target

Description of this climate related requirement

地球温暖化などの気候変動問題への対応として、お取引先に CO2 排出量削減の取り組みをお願いしています。取り組み方としては、まず、取組意志を明確に表明し、次に自社で目標等を持った取り組みを実践します。さらに可能であれば、外部組織と連携した活動の実施や、上流調達先へ働きかけを行うなど、外部へ取組を拡大していただきたいと考えております。

% suppliers by procurement spend that have to comply with this climate-related requirement

6

% suppliers by procurement spend in compliance with this climate-related requirement

6

Mechanisms for monitoring compliance with this climate-related requirement

Supplier self-assessment

Response to supplier non-compliance with this climate-related requirement

Retain and engage

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, but we plan to have one in the next two years

Attach commitment or position statement(s)

<Not Applicable>

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

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

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

Japan Business Federation (Keidanren)

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?

Yes, we publicly promoted their current 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

経団連は、低炭素社会実行計画（2009年12月）、低炭素社会実行計画フェーズII（2015年4月）の策定・推進により、「2050年における世界の温室効果ガスの排出量の半減目標の達成に日本の産業界が技術力で中核的役割を果たすこと」という産業界の共通ビジョン達成に取り組んできました。

こうした中、政府が掲げた新たな目標（2050年カーボンニュートラル、2030年温室効果ガス排出量46%削減）に経済界として不退転の決意で取り組むべく、経団連は2021年6月の「グリーン成長の実現に向けた緊急提言」において、「低炭素社会実行計画」を「カーボンニュートラル行動計画」と改め、（1）2050年カーボンニュートラルに向けたビジョンおよび革新的技術の開発・導入、（2）国内の事業活動における排出削減、（3）主体間連携の強化および国際貢献の推進により強力に推進することを表明しました。同行動計画は2021年11月に策定され、電機・電子業界を含む各業種の2050年カーボンニュートラルに向けたビジョンが示されています。

当社は経団連「カーボンニュートラル行動計画」に於いて、電機・電子温暖化対策連絡会を通じた業界共通目標達成に向けた情報共有と進捗報告を実施しています。

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

0

Describe the aim of your organization's funding

<Not Applicable>

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 mainstream reports, incorporating the TCFD recommendations

Status

Complete

Attach the document

pdf-fcjp-ir-securities-report2022-01.pdf

Page/Section reference

16ページ

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	Describe your organization's role within each framework, initiative and/or commitment
Row 1	Task Force on Climate-related Financial Disclosures (TCFD) UN Global Compact	当社は、気候関連財務情報開示タスクフォース「TCFD」の提言への賛同を表明しています。また、国連グローバル・コンパクトに署名しています。

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	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	No, and we do not plan to have both within the next two years	<Not Applicable>	<Not Applicable>

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	Biodiversity-related public commitments	Initiatives endorsed
Row 1	Yes, we have made public commitments and publicly endorsed initiatives related to biodiversity	Commitment to avoidance of negative impacts on threatened and protected species Other, please specify (経団連生物多様性宣言イニシアチブ当社は、2012年に「富士通ゼネラルグループ生物多様性行動指針」を制定しており、「事業活動が生物多様性からの恵みを受け、また影響を与えている」との認識のもと、持続可能で豊かな社会を目指し、グローバル企業としてその持てるテクノロジーと創造力を活かして、社会と連携をとりながら人と自然のあるべき姿を追求し行動します。)	Other, please specify (経団連生物多様性宣言イニシアチブ)

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

Value chain stage(s) covered

<Not Applicable>

Portfolio activity

<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity

<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)

<Not Applicable>

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment

No, but we plan to within the next two years

Value chain stage(s) covered

<Not Applicable>

Portfolio activity

<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity

<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)

<Not Applicable>

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?	Type of action taken to progress biodiversity- related commitments
Row 1	Yes, we are taking actions to progress our biodiversity-related commitments	Education & awareness

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	Please select

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
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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	経営執行役	Other, please specify (コーポレートコミュニケーション室長 兼 サステナビリティ推進統括部長)

SC. Supply chain module

SC0.0

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

SC0.1

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

	Annual Revenue
Row 1	371019000000

SC1.1

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

Requesting member

Ferguson plc

Scope of emissions

Scope 1

Scope 2 accounting method

<Not Applicable>

Scope 3 category(ies)

<Not Applicable>

Allocation level

Facility

Allocation level detail

販売した製品の生産工場である「FUJITSU GENERAL (THAILAND) CO., LTD.」、「FUJITSU GENERAL (SHANGHAI) CO., LTD.」、「FUJITSU GENERAL CENTRAL AIR-CONDITIONER (WUXI) CO., LTD.」におけるGHG排出量を対象としています。

Emissions in metric tonnes of CO2e

100.2853

Uncertainty (±%)

Major sources of emissions

生産工程におけるエネルギー使用量とフロン漏洩量からの排出です。

Verified

No

Allocation method

Allocation based on the number of units purchased

Market value or quantity of goods/services supplied to the requesting member

28594

Unit for market value or quantity of goods/services supplied

Other, please specify (台)

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

当社の財務管理下にある排出源より、割り当てています。

Requesting member

Ferguson plc

Scope of emissions

Scope 2

Scope 2 accounting method

Location-based

Scope 3 category(ies)

<Not Applicable>

Allocation level

Facility

Allocation level detail

販売した製品の生産工場である「FUJITSU GENERAL (THAILAND) CO., LTD.」、「FUJITSU GENERAL (SHANGHAI) CO., LTD.」、「FUJITSU GENERAL CENTRAL AIR-CONDITIONER (WUXI) CO., LTD.」におけるGHG排出量を対象とし、ロケーション基準の数値を割り当てています。

Emissions in metric tonnes of CO2e

136.5885

Uncertainty (±%)**Major sources of emissions**

生産工場における電力使用量からの排出です。

Verified

No

Allocation method

Allocation based on the number of units purchased

Market value or quantity of goods/services supplied to the requesting member

28594

Unit for market value or quantity of goods/services supplied

Other, please specify (台)

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

当社の財務管理下にある排出源より、割り当てています。

Requesting member

Ferguson plc

Scope of emissions

Scope 3

Scope 2 accounting method

<Not Applicable>

Scope 3 category(ies)

Category 11: Use of sold products

Allocation level

Commodity

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

129033.7678

Uncertainty (±%)**Major sources of emissions**

カテゴリー11からの排出です。

Verified

No

Allocation method

Allocation not necessary as secondary data used

Market value or quantity of goods/services supplied to the requesting member

12330

Unit for market value or quantity of goods/services supplied

Other, please specify (台)

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

当社の財務管理下にある排出源（室外機台数）より、割り当てています。

Requesting member

Ferguson plc

Scope of emissions

Scope 3

Scope 2 accounting method

<Not Applicable>

Scope 3 category(ies)

Category 4: Upstream transportation and distribution

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

838.1245

Uncertainty (±%)**Major sources of emissions**

カテゴリ4からの排出です。

Verified

No

Allocation method

Allocation based on mass of products purchased

Market value or quantity of goods/services supplied to the requesting member

793146.8

Unit for market value or quantity of goods/services supplied

Kilograms

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

当社の財務管理下にある排出源より、割り当てています。より上流の輸送はデータの取得と配分が難しいため、販売した製品の生産国の港から販売先への輸送における排出量が対象です。

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

当社の一次データを使用したため、公開情報は使用していません。

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

Allocation challenges	Please explain what would help you overcome these challenges
Diversity of product lines makes accurately accounting for each product/product line cost ineffective	生産ラインごとに使用されたエネルギー量を把握・管理することができるシステムの導入等が考えられます。

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

No

SC1.4b**(SC1.4b) Explain why you do not plan to develop capabilities to allocate emissions to your customers.**

現在当社グループが製品製造に使用する材料購入先からエネルギー使用量等のデータを収集し、当社グループのScope1,2と合わせて排出量を算出するシステム導入を検討しています。材料購入先から上流に遡った詳細なデータの入手・構築にはまだ時間を要するため、現在は顧客企業に対し正確な排出量を割り当てるのが困難ですが、今後データ入手、システム構築を進めていく予定です。

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

Ferguson plc

Group type of project

Reduce Logistics Emissions

Type of project

Consolidated logistics

Emissions targeted

Actions that would reduce both our own and our customers' emissions

Estimated timeframe for carbon reductions to be realized

1-3 years

Estimated lifetime CO2e savings**Estimated payback**

Please select

Details of proposal

コロナ禍以降の急激な需要増、サプライチェーンの混乱で商品の効率的な配送が困難だったが、そうした状況も徐々に落ち着きつつあり、在庫も潤沢に持つことが出来ている為、今後混載出荷を増やし、代理店まで輸送で発生するCO2排出量削減に繋げたい。

Requesting member

Ferguson plc

Group type of project

Reduce Logistics Emissions

Type of project

Route optimization

Emissions targeted

Actions that would reduce both our own and our customers' emissions

Estimated timeframe for carbon reductions to be realized

1-3 years

Estimated lifetime CO2e savings**Estimated payback**

Please select

Details of proposal

コロナ禍以降、急激な需要増、サプライチェーンの混乱によりバックオーダーが膨らんだことで、在庫が入庫次第遠方の倉庫からでも出荷せざるを得ない状況が続いていたが、そうした状況も徐々に落ち着きつつある為、今後は近隣倉庫からの出荷を増やし、代理店までの輸送距離を縮めることでCO2排出量の削減に努める。

Requesting member

Ferguson plc

Group type of project

Reduce Logistics Emissions

Type of project

Changed timing of logistics

Emissions targeted

Actions that would reduce both our own and our customers' emissions

Estimated timeframe for carbon reductions to be realized

1-3 years

Estimated lifetime CO2e savings**Estimated payback**

Please select

Details of proposal

コロナ禍以降、急激な需要増、サプライチェーンの混乱によりバックオーダーが膨らんだことで、在庫が入庫次第即座に出荷せざるを得ない状況が続いているが、そうした状況も徐々に落ち着きつつある為、今後は同じ出荷先の商品をまとめて出荷できるオペレーションに切り替えることで物流の効率化を図る。

Requesting member

Ferguson plc

Group type of project

New product or service

Type of project

New product or service that reduces customers products / services operational emissions

Emissions targeted

Actions to reduce customers' operational emissions (customer scope 1 & 2)

Estimated timeframe for carbon reductions to be realized

1-3 years

Estimated lifetime CO2e savings**Estimated payback**

Please select

Details of proposal

今年販売開始予定のクラウドベースのコントローラー（Edge Controller）により遠隔監視、遠隔診断を可能にすることで、ビルの施設管理者や空調機の保守・修理を行うコントラクターが現場を訪問する回数を減らし、業務の効率化や移動時に発生するCO2の削減に繋げることが出来る。

SC2.2

(SC.2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

No

SC4.1

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

No, I am not providing data

Submit your response

In which language are you submitting your response?

Japanese

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below

I have read and accept the applicable Terms