

C0. Introduction

C0.1

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

CBRE Group, Inc. (NYSE:CBRE), a Fortune 500 and S&P 500 company headquartered in Los Angeles, is the world's largest commercial real estate services and investment firm (based on 2018 revenue). The company has more than 90,000 employees (excluding affiliates), and serves real estate investors and occupiers through approximately 480 offices (excluding affiliates) worldwide. CBRE offers a broad range of integrated services, including facilities, transaction and project management; property management; investment management; appraisal and valuation; property leasing; strategic consulting; property sales; mortgage services and development services. Please visit our website at www.cbre.com.

C0.2

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

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Row 1	January 1 2018	December 31 2018	No	<Not Applicable>

C0.3

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

Please select

C0.4

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

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your consolidation approach to your Scope 1 and Scope 2 greenhouse gas inventory.

Operational control

C1. Governance

C1.1

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

No

C1.1c

(C1.1c) Why is there no board-level oversight of climate-related issues and what are your plans to change this in the future?

	Primary reason	Board-level oversight of climate-related issues will be introduced within the next two years	Please explain
Row 1	We have not historically had board-level oversight of climate-related issues because climate-related issues had not been identified as a risk to the company.	Yes, we plan to do so within the next two years	We recognize the importance of the board being informed about and understanding climate-related risks. We plan to introduce board-level oversight of climate-related issues within the next two years. This may take the form of monitoring and overseeing progress against goals and targets for addressing climate-related issues.

C1.2

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

Name of the position(s) and/or committee(s)	Responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify (Chief Executive Talent and Administrative Officer)	Both assessing and managing climate-related risks and opportunities	As important matters arise

C1.2a

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

The Chief Executive Talent and Administrative Officer reports directly to the CEO. The Chief Executive Talent and Administrative Officer oversees corporate responsibility at CBRE, and environmental sustainability is an element of corporate responsibility at our company. The Senior Vice President, Corporate Responsibility reports to the Chief Executive Talent and Administrative Officer. The Senior Vice President, Corporate Responsibility is responsible for leading global corporate responsibility strategy development and implementation. The corporate responsibility team is responsible for setting greenhouse gas emission reduction targets and monitoring and reporting progress toward those targets. The team also stays informed about climate-related topics through participation in industry organizations and brings that information into the company for consideration. Additionally, the Chief Executive Talent and Administrative Officer is the co-chair of the company's Executive Risk Committee (ERC). The ERC reports directly to the CEO and meets quarterly to review the status of key enterprise and emerging risks (such as climate-related risk) and progress on addressing risk.

C1.3

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

Yes

C1.3a

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

Who is entitled to benefit from these incentives?

In 2017, we created the CBRE Climate Change Champion Award, which is presented to Property Management teams for CBRE-managed properties that achieve a 10% or greater year-over-year increase in their ENERGY STAR score. In 2018, this award was presented to teams at 22 CBRE-managed properties. These buildings together resulted in a total greenhouse gas emission reduction of 10,188 metric tons of CO2e. In 2019, 25 CBRE-managed properties in the U.S. that achieved a 10% or greater year-over-year increase in their ENERGY STAR score received a formal award and acknowledgment from our global president of Property Management. These buildings together resulted in a total greenhouse gas emission reduction of 51,833 metric tons of CO2e.

Energy reduction target
Recognition (non-monetary)
Facilities manager

Types of incentives

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Energy reduction target
Recognition (non-monetary)

Activity incentivized

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Energy reduction target

Comment

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C2. Risks and opportunities

C2.1

(C2.1) Describe what your organization considers to be short-, medium- and long-term horizons.

	From (years)	To (years)	Comment
Short-term	0	3	
Medium-term	3	6	
Long-term	6	10	

C2.2

(C2.2) Select the option that best describes how your organization's processes for identifying, assessing, and managing climate-related issues are integrated into your overall risk management.

Integrated into multi-disciplinary company-wide risk identification, assessment, and management processes

C2.2a

(C2.2a) Select the options that best describe your organization's frequency and time horizon for identifying and assessing climate-related risks.

	Frequency of monitoring	How far into the future are risks considered?	Comment
Row 1	Annually	3 to 6 years	

C2.2b

(C2.2b) Provide further details on your organization's process(es) for identifying and assessing climate-related risks.

Climate change was added as a risk in the 2018 CBRE Business Risk Inventory (BRI). Risks included in the BRI are assessed through our enterprise risk management process annually to determine the appropriate level of action required. Additionally, CBRE's enterprise risk management team conducted a separate risk assessment focused on climate-related risks in early 2019.

C2.2c

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Emerging regulation	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Technology	Not evaluated	
Legal	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Market	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Reputation	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Acute physical	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Chronic physical	Relevant, always included	This risk was included in our 2019 risk assessment that focused on climate-related risks.
Upstream	Not evaluated	
Downstream	Not evaluated	

C2.2d

(C2.2d) Describe your process(es) for managing climate-related risks and opportunities.

CBRE's enterprise risk management team conducted a risk assessment focused on climate-related risks in early 2019. The results of this assessment are currently being analyzed to determine an approach to managing the climate-related risks and opportunities that have been identified.

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

0

Our current method for managing this risk includes evaluating regulatory requirements at the federal, state, and local level. These management methods allow CBRE to respond to reporting obligations such as AB 802 in California, USA and ESOS in UK. Besides our ad-hoc knowledge of the space, we have a service we provide to customers in EMEA called a 'legal register' which identifies on a continuous basis what the legal landscape looks like in Energy and Sustainability for all markets. Also in the US, CBRE has been an active partner with the Institute for Market Transformation (IMT) in their work to introduce balanced energy disclosure regulations in several cities.

There could be a potential financial impact as a result of governmental fines as a result of not complying with the reporting requirements.

<Not Applicable>

<Not Applicable>

100000

Yes, a single figure estimate

Medium

Likely

Short-term

Energy use and emissions reporting are fundamental requirements of effective energy management, and these requirements will likely increase across our managed portfolio. Reporting obligations vary by city, country, and regionally and these variations by location increase risks of noncompliance and costs of compliance.

Increased costs and/or reduced demand for products and services resulting from fines and judgments

Policy and legal: Enhanced emissions-reporting obligations

Transition risk

Customer

Risk 1

Where in the value chain does the risk driver occur?

0

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Risk type

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Policy and legal: Enhanced emissions-reporting obligations

Transition risk

Primary climate-related risk driver

0

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Policy and legal: Enhanced emissions-reporting obligations

Type of financial impact

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Company- specific description

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Short-term

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Time horizon

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Medium

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Short-term

Likelihood

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<Not Applicable>

<Not Applicable>

100000

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Medium

Likely

Magnitude of impact

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<Not Applicable>

<Not Applicable>

100000

Yes, a single figure estimate

Medium

Are you able to provide a potential financial impact figure?

0

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<Not Applicable>

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100000

Yes, a single figure estimate

Potential financial impact figure (currency)

0

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<Not Applicable>

<Not Applicable>

100000

Potential financial impact figure – minimum (currency)

0

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<Not Applicable>

<Not Applicable>

Potential financial impact figure – maximum (currency)

0

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<Not Applicable>

Explanation of financial impact figure

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Management method

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Cost of management

0

Comment

Identifier

250000

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Our potential financial impact is that the failure to prepare for and/or respond to natural disasters could result in a loss of client business.

<Not Applicable>

<Not Applicable>

10000000

Yes, a single figure estimate

Medium

Likely

Current

The increasing frequency and severity of weather and precipitation events such as drought, flooding, tropical cyclones and snow/ice associated with climate change put our business operations at risk.

Reduced revenue from decreased demand for goods/services

Acute: Increased severity of extreme weather events such as cyclones and floods

Physical risk

Direct operations

Risk 2

Where in the value chain does the risk driver occur?

250000

Our method for managing the risk is CBRE's Business Continuity program, which provides services related to the preparation and response to significant weather or natural disaster such as planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. The program prepares for potential market impact, such as droughts and severe weather events limiting expansion of the real estate market.

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Risk type

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Physical risk

Primary climate-related risk driver

250000

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Type of financial impact

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Reduced revenue from decreased demand for goods/services

Company- specific description

250000

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Time horizon

250000

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10000000

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Medium

Likely

Current

Likelihood

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Magnitude of impact

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Are you able to provide a potential financial impact figure?

250000

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Potential financial impact figure (currency)

250000

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<Not Applicable>

10000000

Potential financial impact figure – minimum (currency)

250000

Our method for managing the risk is CBRE's Business Continuity program, which provides services related to the preparation and response to significant weather or natural disaster such as planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. The program prepares for potential market impact, such as droughts and severe weather events limiting expansion of the real estate market.

Our potential financial impact is that the failure to prepare for and/or respond to natural disasters could result in a loss of client business.

<Not Applicable>

<Not Applicable>

Potential financial impact figure – maximum (currency)

250000

Our method for managing the risk is CBRE's Business Continuity program, which provides services related to the preparation and response to significant weather or natural disaster such as planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. The program prepares for potential market impact, such as droughts and severe weather events limiting expansion of the real estate market.

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<Not Applicable>

Explanation of financial impact figure

250000

Our method for managing the risk is CBRE's Business Continuity program, which provides services related to the preparation and response to significant weather or natural disaster such as planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. The program prepares for potential market impact, such as droughts and severe weather events limiting expansion of the real estate market.

Our potential financial impact is that the failure to prepare for and/or respond to natural disasters could result in a loss of client business.

Management method

250000

Our method for managing the risk is CBRE's Business Continuity program, which provides services related to the preparation and response to significant weather or natural disaster such as planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. The program prepares for potential market impact, such as droughts and severe weather events limiting expansion of the real estate market.

Cost of management

250000

Comment

Identifier

Our current method for managing the risk is to incorporate employee sustainability training as part of CBRE's protocol. CBRE continues to place a strong focus on equipping building staff with the knowledge, proper tools and best practices they need to successfully manage and reduce energy consumption. In partnership with Building Owners and Managers Association International (BOMA), CBRE licenses BOMA Energy Efficiency Program (BEEP) training and offers weekly webinars to employees. Using the EPA ENERGY STAR Portfolio Manager as a foundational tool, BEEP educates industry professionals on how to reduce energy consumption and costs with proven no- and low-cost strategies for optimizing equipment, people and practices. While this training program requirement has been in place for many years for all property management staff, during 2016 the training curriculum was expanded as required learning for all national engineering staff. In total, more than 25,000 attendees had participated in the four-part weekly training series by the end of 2018.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

More likely than not

Short-term

The inability to provide services for climate change-related requirements as a results of staff not being adequately trained is a risk to our business reputation. The inability to provide these services will reduce the demand for our services and impact our service capacity.

Reduced revenue from decreased demand for goods/services

Reputation: Shifts in consumer preferences

Transition risk

Direct operations

Risk 3

Where in the value chain does the risk driver occur?

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Risk type

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Reduced revenue from decreased demand for goods/services

Reputation: Shifts in consumer preferences

Transition risk

Primary climate-related risk driver

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Reduced revenue from decreased demand for goods/services

Reputation: Shifts in consumer preferences

Type of financial impact

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Company-specific description

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Short-term

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Time horizon

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<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

More likely than not

Short-term

Likelihood

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<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

More likely than not

Magnitude of impact

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<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Are you able to provide a potential financial impact figure?

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<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Potential financial impact figure (currency)

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Potential financial impact figure – minimum (currency)

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<Not Applicable>

<Not Applicable>

Potential financial impact figure – maximum (currency)

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Explanation of financial impact figure

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Cost of management

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

5000000

During 2018 CBRE provide some level of these services for more than 1.4 billion square feet of client owned and managed space. These services included benchmarking more than 6400 buildings in the EPA ENERGY STAR program and completing 129 green building certifications.

Our 2018 revenue from energy and sustainability services was \$28,700,000. We expect these revenues to significantly expand in future years.

<Not Applicable>

<Not Applicable>

30000000

Yes, a single figure estimate

Medium

Likely

Current

As more governing entities enact energy disclosure regulations, and as more companies respond to the growing need to measure, report, and reduce their energy usage and the related carbon emissions, CBRE's opportunity to provide a range of energy and sustainability services expands.

Better competitive position to reflect shifting consumer preferences, resulting in increased revenues

Shift in consumer preferences

Products and services

Customer

Opp1

Where in the value chain does the opportunity occur?

5000000

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Customer

Opportunity type

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Better competitive position to reflect shifting consumer preferences, resulting in increased revenues

Shift in consumer preferences

Products and services

Primary climate-related opportunity driver

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Better competitive position to reflect shifting consumer preferences, resulting in increased revenues

Shift in consumer preferences

Type of financial impact

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Time horizon

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Medium

Likely
Current

Likelihood

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30000000

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Medium

Likely

Magnitude of impact

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30000000

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Medium

Are you able to provide a potential financial impact figure?

5000000

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Potential financial impact figure (currency)

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Potential financial impact figure – minimum (currency)

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Potential financial impact figure – maximum (currency)

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Strategy to realize opportunity

5000000

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Cost to realize opportunity

5000000

Comment

Identifier

100000

We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans. This index could then be implemented across our managed assets.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Likely

Short-term

CBRE's occupier and investor clients are considering climate risk and resiliency as an important part of their real estate decision process. We can develop new services to help clients ensure resiliency in their real estate portfolio.

Increased revenue through new products and services related to ensuring resiliency

Other

Resilience

Customer

Opp2

Where in the value chain does the opportunity occur?

100000

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Other

Resilience

Customer

Opportunity type

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Increased revenue through new products and services related to ensuring resiliency

Other

Resilience

Primary climate-related opportunity driver

100000

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<Not Applicable>

<Not Applicable>

<Not Applicable>

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Increased revenue through new products and services related to ensuring resiliency

Other

Type of financial impact

100000

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Company-specific description

100000

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Medium

Likely

Short-term

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Time horizon

100000

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<Not Applicable>

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Short-term

Likelihood

100000

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<Not Applicable>

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<Not Applicable>

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Medium

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Magnitude of impact

100000

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<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Are you able to provide a potential financial impact figure?

100000

We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans. This index could then be implemented across our managed assets.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Potential financial impact figure (currency)

100000

We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans. This index could then be implemented across our managed assets.

<Not Applicable>

<Not Applicable>

<Not Applicable>

Potential financial impact figure – minimum (currency)

100000

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<Not Applicable>

<Not Applicable>

Potential financial impact figure – maximum (currency)

100000

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<Not Applicable>

Explanation of financial impact figure

100000

We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans. This index could then be implemented across our managed assets.

Strategy to realize opportunity

100000

We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans. This index could then be implemented across our managed assets.

Cost to realize opportunity

100000

Comment

Identifier

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Likely

Short-term

As part of our business continuity program, we provide remediation and recovery efforts due to severe weather events. As climate change increases the likelihood of droughts, flooding, tropical cyclones, snow, and ice, there is an opportunity for us to increase our business in remediation and recovery.

Other, please specify (Increased revenue: continuity services)

Other

Products and services

Customer

Opp3

Where in the value chain does the opportunity occur?

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

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Other, please specify (Increased revenue: continuity services)

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Products and services

Customer

Opportunity type

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

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Short-term

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Other, please specify (Increased revenue: continuity services)

Other

Products and services

Primary climate-related opportunity driver

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

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Medium

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Other, please specify (Increased revenue: continuity services)

Other

Type of financial impact

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For

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Other, please specify (Increased revenue: continuity services)

Company-specific description

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

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No, we do not have this figure

Medium

Likely

Short-term

As part of our business continuity program, we provide remediation and recovery efforts due to severe weather events. As climate change increases the likelihood of droughts, flooding, tropical cyclones, snow, and ice, there is an opportunity for us to increase our business in remediation and recovery.

Time horizon

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Likely

Short-term

Likelihood

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Medium

Likely

Magnitude of impact

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For example, managers take into consideration the potential for market impact arising from persistent droughts and severe weather events limiting expansion of the real estate markets in some areas while encouraging expansion in less weather-stricken areas.

<Not Applicable>

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No, we do not have this figure

Medium

Are you able to provide a potential financial impact figure?

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<Not Applicable>

<Not Applicable>

<Not Applicable>

No, we do not have this figure

Potential financial impact figure (currency)

Our current method for managing the effects of severe weather events is through CBRE's Business Continuity program, which provides planned emergency responses to safeguard people, properties and the interests of employees, tenants and clients. The program addresses such vital areas as data back-up and recovery; alternative communications with tenants, clients and employees; and alternative physical locations. CBRE's managers also include weather changes in business planning. For

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<Not Applicable>

<Not Applicable>

<Not Applicable>

Potential financial impact figure – minimum (currency)

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<Not Applicable>

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Potential financial impact figure – maximum (currency)

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<Not Applicable>

Explanation of financial impact figure

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Strategy to realize opportunity

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Cost to realize opportunity

Comment

C2.5

(C2.5) Describe where and how the identified risks and opportunities have impacted your business.

	Impact	Description
Products and services	Impacted	CBRE offers energy and sustainability services such as data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. As part of our business continuity program, we also provide remediation and recovery efforts due to severe weather events.
Supply chain and/or value chain	Impacted	Our clients have been impacted by energy disclosure regulations in a number of markets. They are also addressing stakeholder requests to measure, report, and reduce their energy usage and GHG emissions.
Adaptation and mitigation activities	Not evaluated	
Investment in R&D	Not yet impacted	We are considering developing an "asset resiliency index" to aid our clients in their efforts to determine risk factors and prepare appropriate design and response plans.
Operations	Impacted	In 2017, our operations were impacted by severe weather events, including Hurricane Harvey (Texas), Hurricane Irma (Florida), Hurricane Maria (Puerto Rico & Caribbean), Earthquake (Mexico City), and Wildfires (Northern and Southern California).
Other, please specify	We have not identified any risks or opportunities	

C2.6

(C2.6) Describe where and how the identified risks and opportunities have been factored into your financial planning process.

	Relevance	Description
Revenues	Impacted	Our 2018 revenue from energy and sustainability services was \$28,700,000. We expect these revenues to significantly expand in future years.
Operating costs	Impacted	If revenues from energy and sustainability services increase, we will likely need to hire additional staff to provide these services.
Capital expenditures / capital allocation	Not evaluated	
Acquisitions and divestments	Impacted	We may need to acquire companies that offer specialized energy and sustainability services. For example, in 2018, we invested in Redaptive, an energy efficiency as a service firm, that measurably increased our ability to diagnose, manage, audit, and finance energy efficiency projects.
Access to capital	Not evaluated	
Assets	Not evaluated	
Liabilities	Not evaluated	
Other	We have not identified any risks or opportunities	

C3. Business Strategy

C3.1

(C3.1) Are climate-related issues integrated into your business strategy?

Yes

C3.1a

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

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

C3.1c

(C3.1c) Explain how climate-related issues are integrated into your business objectives and strategy.

i. Our business objectives and strategy have been influenced by client demands for solutions to help them address the impacts of climate change in their real estate portfolio. We formed our Global Energy and Sustainability team more than a decade ago to provide our clients with fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, revenue from energy and sustainability services totaled more than \$28.7 million globally, and buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services.

ii. While we have absolute emissions reduction targets for our Scope 1 and Scope 2 emissions, these targets are not linked to our business strategy at this time.

iii. The most substantial business decision made during 2018 that was influenced by client demands for solutions to help them address climate change was the company's strategic investment in energy services firm Redaptive, Inc in April 2018. Headquartered in San Francisco, Redaptive is a fast-growing provider of integrated energy efficiency solutions and energy financing for building owners and occupiers. "Redaptive offers a new and compelling service for CBRE clients," said Matt Werner, Global President, Facilities Management. "CBRE's strategic partnership and investment will enable Redaptive to expand its capacity into more portfolios worldwide, while helping our clients reduce costs and improve sustainability." Mr. Werner will join the Redaptive Board of Directors, representing CBRE and other external investors. Redaptive differs from traditional energy services firms in that it offers portfolio-wide, turnkey efficiency solutions, backed by transparent measurement and verification reporting. Redaptive finances and manages building efficiency projects, recovering costs from savings delivered. Redaptive's solutions allow clients to implement projects in a risk-mitigated manner, leveraging third-party technology and installation partners. "Every one of our client portfolios has latent energy inefficiencies, presenting an opportunity for improvement," says John Hagen, CBRE's Managing Director, Energy and Sustainability. "The challenge for many of our clients is securing capital and project resources to implement energy conservation measures when their organization has so many other priorities. We are excited to support Redaptive and bring forward a compelling option for our clients." "We are thrilled to have this strategic support from CBRE" said Arvin Vohra, Co-CEO of Redaptive. "It will enable us to accelerate our product offerings and continue to break down the barriers to large-scale efficiency deployments." "CBRE and Redaptive are already collaborating to solve complex client problems and design unique solutions to accelerate and scale energy efficiency," added John Rhoads, Redaptive Co-CEO. "This investment and partnership bodes well for the future of the industry."

C3.1g

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

We have not used climate-related scenario analysis to inform our business strategy to date. As a B2B services firm, our Scope 1 and Scope 2 emissions are relatively small compared to other companies of similar revenue and headcount, and our stakeholders have not asked us to pursue climate-related scenario analysis. However, in 2018, we formally supported the TCFD recommendations and we recognize that climate-related scenario analysis is an important component of the recommendations. We plan to implement climate-related scenario analysis in the next two years by first educating senior management on what climate-related scenario analysis is and how it will aid us in strategic planning. We will then incorporate climate-related scenario analysis into our enterprise risk management processes.

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

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Achieved

100

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2026

63414

2017

2016

20

100

Scope 1

Abs 1

Scope

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Achieved

100

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2026

63414

2017

2016

20

100

Scope 1

% emissions in Scope

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Achieved

100

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2026

63414

2017

2016

20

100

Targeted % reduction from base year

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Achieved

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2026

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2017

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Base year

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2026

63414

2017

2016

Start year

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Achieved

100

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2026

63414

2017

Base year emissions covered by target (metric tons CO2e)

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Achieved

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2026

63414

Target year

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Achieved

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2026

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Achieved

100

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

% of target achieved

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Achieved

100

Target status

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Achieved

Please explain

While we have ostensibly achieved the 2026 goal, our Scope 1 emissions can fluctuate significantly from year to year depending on the size of our vehicle fleet – which is primarily used to serve client facilities – so we remain highly vigilant in managing these emissions.

Target reference number

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a “free address” environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2025 goal.

Underway

93

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2025

33949

2016

2015

30

100

Scope 2 (location-based)

Abs 2

Scope

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a “free address” environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2025 goal.

Underway

93

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2025

33949

2016

2015

30

100

Scope 2 (location-based)

% emissions in Scope

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Underway

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2025

33949

2016

2015

30

100

Targeted % reduction from base year

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2025

33949

2016

2015

30

Base year

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2025

33949

2016

2015

Start year

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2025

33949

2016

Base year emissions covered by target (metric tons CO2e)

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Target year

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Underway

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% of target achieved

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Underway

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Target status

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Underway

Please explain

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2025 goal.

Target reference number

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

2015

50

100

Scope 2 (location-based)

Abs 3

Scope

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

2015

50

100

Scope 2 (location-based)

% emissions in Scope

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

2015

50

100

Targeted % reduction from base year

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

2015

50

Base year

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of

workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

2015

Start year

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

2016

Base year emissions covered by target (metric tons CO2e)

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

33949

Target year

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

2035

Is this a science-based target?

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Yes, we consider this a science-based target, but this target has not been approved as science-based by the Science-Based Targets initiative

% of target achieved

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

56

Target status

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

Underway

Please explain

Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. We are well on our way to achieving our 2035 goal.

C4.2

(C4.2) Provide details of other key climate-related targets not already reported in question C4.1/a/b.

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		
To be implemented*	1	626000
Implementation commenced*	1	500
Implemented*		
Not to be implemented		

C4.3b

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

Initiative type

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

Voluntary

Scope 3

626000

Building controls

Energy efficiency: Building services

Description of initiative

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

Voluntary

Scope 3

626000

Building controls

Estimated annual CO2e savings (metric tonnes CO2e)

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

Voluntary

Scope 3

626000

Scope

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

Voluntary

Scope 3

Voluntary/Mandatory

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

Voluntary

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

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO2e.

Please select

Please select

88000000

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

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO₂e.

Please select

Please select

Payback period

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO₂e.

Please select

Please select

Estimated lifetime of the initiative

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO₂e.

Please select

Comment

During 2018, CBRE provided energy and sustainability services for more than 1.56 billion square feet of client space and identified more than \$88 million in energy savings. When fully accomplished, these projects will eliminate more than 626,000 metric tons of CO₂e.

Initiative type

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select

Please select

Voluntary

Scope 2 (location-based)

500

<Not Applicable>

Other, please specify (space attrition)

Description of initiative

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select

Please select

Voluntary

Scope 2 (location-based)

500

<Not Applicable>

Estimated annual CO₂e savings (metric tonnes CO₂e)

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select

Please select

Voluntary

Scope 2 (location-based)

500

Scope

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Please select

Please select

Voluntary

Scope 2 (location-based)

Voluntary/Mandatory

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select

Please select

Voluntary

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

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Please select

Please select

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Please select
Please select

Payback period

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a “free address” environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select
Please select

Estimated lifetime of the initiative

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a “free address” environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

Please select

Comment

By the end of 2018, we had opened 84 Workplace360 offices worldwide, representing 30% of our global occupied square footage. An additional 15 Workplace360 offices are underway in 2019 and beyond. Each Workplace360 office is a “free address” environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions.

C4.3c

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

Method	Comment
Compliance with regulatory requirements/standards	This applies to investments in reducing our own emissions.
Dedicated budget for low-carbon product R&D	This applies to investments in reducing emissions in the properties we manage for our clients.
Internal incentives/recognition programs	Our CBRE Climate Change Champion Award is presented to Asset Services teams for CBRE-managed properties that achieve a 10% or greater year-over-year increase in their ENERGY STAR score.

C4.5

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

Yes

C4.5a

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

Level of aggregation

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

0.13

Please select

Avoided emissions

Our environmental sustainability services directly enable third parties to avoid Scope 1 and Scope 2 emissions associated with energy use. These services include: a) Energy Program Management - CBRE has built a network of energy program professionals to manage our clients' energy consumption. Utilizing best practices, these energy managers offer CBRE-developed solutions to help clients gain a competitive advantage while driving towards peak energy performance. Strategies include: Strategic Program Planning, Utility Data and Carbon Footprint Management, Demand/Supply- Side Energy Management, Performance Reporting, Training and Awareness Programs. b) Certification Programs – CBRE helps clients improve operating efficiencies and document cost savings to provide owners and occupiers of commercial property with a market-leading economic advantage. CBRE provides expert support in green building certification standards for BREEAM, NABERS, ISO 14001, LEED and others.

Group of products

Description of product/Group of products

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

0.13

Please select

Avoided emissions

Our environmental sustainability services directly enable third parties to avoid Scope 1 and Scope 2 emissions associated with energy use. These services include: a) Energy Program Management - CBRE has built a network of energy program professionals to manage our clients' energy consumption. Utilizing best practices, these energy managers offer CBRE-developed solutions to help clients gain a competitive advantage while driving towards peak energy performance. Strategies include: Strategic Program Planning, Utility Data and Carbon Footprint Management, Demand/Supply- Side Energy Management, Performance Reporting, Training and Awareness Programs. b) Certification Programs – CBRE helps clients improve operating efficiencies and document cost savings to provide owners and occupiers of commercial property with a market-leading economic advantage. CBRE provides expert support in green building certification standards for BREEAM, NABERS, ISO 14001, LEED and others.

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

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

0.13

Please select

Avoided emissions

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

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

0.13

Please select

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

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

0.13

Comment

Revenue from energy and sustainability services totaled more than \$28.7 million globally.

C5. Emissions methodology

C5.1

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

Scope 1

Base year start

January 1 2016

Base year end

December 31 2016

Base year emissions (metric tons CO2e)

63414

Comment

Scope 2 (location-based)

Base year start

January 1 2015

Base year end

December 31 2015

Base year emissions (metric tons CO2e)

33949

Comment

Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions.

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

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

46069

Start date

January 1 2018

End date

December 31 2018

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 have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report 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

24439

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

January 1 2018

End date

December 31 2018

Comment

C6.4

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

No

C6.5

(C6.5) Account for your organization's Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

We have not obtained this data from our suppliers.

Capital goods

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

No significant capital goods purchased during reporting period.

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

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

This category is relevant to us since we are an end user of electricity but we have not yet calculated emissions for this source.

Upstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

No significant transport of purchased goods.

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Emissions from waste data not collected.

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

19984

Emissions calculation methodology

NON-AMERICAS REGIONS DEFRA: 2017 UK Government GHG Conversion Factors v1.0, published July 2017 (www.gov.uk/government/publications/greenhouse-gasreporting-conversionfactors-2017) AMERICAS REGION US EPA GHG Emission Factors for Greenhouse Inventories, November 19th 2015, v2 (Table 8) [http://www.epa.gov/sites/production/files/2015-12/documents/emissionfactors_nov_2015.pdf] using IPCC AR4 100-year GWP Factors

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

100

Explanation

CBRE employees travel to client meetings, industry conferences, internal meetings and training sessions.

Employee commuting

Evaluation status

Relevant, not yet calculated

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Emissions related to employee commuting have not yet been calculated.

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Emissions associated with upstream leased assets are accounted for in our Scope 1 and 2 emissions.

Downstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Not applicable to our business as a service company.

Processing of sold products

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Not applicable to our business as a service company.

Use of sold products

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Not applicable to our business as a service company.

End of life treatment of sold products

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Not applicable to our business as a service company.

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Not applicable to our business as a service company.

Franchises

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

We do not operate under a franchise model.

Investments

Evaluation status

Relevant, not yet calculated

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Emissions from investments managed by our wholly-owned subsidiary CBRE Global Investors have not been calculated.

Other (upstream)

Evaluation status

Please select

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

Other (downstream)

Evaluation status

Please select

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Explanation

C6.7

(C6.7) Are carbon dioxide emissions from biologically sequestered 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

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4
Location-based
21340088000
unit total revenue
70508
0.0000033

Metric numerator (Gross global combined Scope 1 and 2 emissions)

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4
Location-based
21340088000
unit total revenue
70508

Metric denominator

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4
Location-based
21340088000
unit total revenue

Metric denominator: Unit total

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4
Location-based
21340088000

Scope 2 figure used

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4
Location-based

% change from previous year

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

13.4

Direction of change

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Decreased

Reason for change

While CBRE's revenue increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved

through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. Please note that the prior year intensity was recalculated using an adjusted 2017 revenue figure. As noted in our 2018 Form 10-K, we adopted new revenue recognition guidance in the first quarter of 2018, and 2017 revenue was restated to conform with the 2018 revenue presentation. As noted in our 2018 Form 10-K, 2017 revenue was adjusted to \$18,628,787,000.

Intensity figure

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Location-based

90000

full time equivalent (FTE) employee

70508

0.78

Metric numerator (Gross global combined Scope 1 and 2 emissions)

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Location-based

90000

full time equivalent (FTE) employee

70508

Metric denominator

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Location-based

90000

full time equivalent (FTE) employee

Metric denominator: Unit total

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Location-based

90000

Scope 2 figure used

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Location-based

% change from previous year

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

11.8

Direction of change

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

Decreased

Reason for change

While CBRE's employee headcount increased from 2017 to 2018, Scope 1 emissions remained flat and Scope 2 emissions decreased. Scope 2 reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our space footprint significantly while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions.

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	45812	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	36	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	221	IPCC Fourth Assessment Report (AR4 - 100 year)

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Americas	31175
Asia Pacific (or JAPA)	351
Europe, Middle East and Africa (EMEA)	14543

C7.3

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

By activity

C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Emissions from mobile fuel combustion	46069

C7.5

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

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted in market-based approach (MWh)
Americas	10244	0	33160	0
Europe, Middle East and Africa (EMEA)	6946	0	21127	0
Asia Pacific (or JAPA)	7249	0	12567	0

C7.6

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

By facility

C7.6b

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

Facility	Scope 2 location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Mexico City, Mexico	26.5	0
Monterrey, Mexico	10.6	0
Austin, Texas, USA	82.2	0
Mumbai, India	311.1	0
Singapore	362.3	0
Istanbul, Turkey	24.9	0
Lille, France	3.4	0
Lisbon, Portugal	69.4	0
Pune, India	128.5	0
Montreal, Canada	24.3	0
Oslo, Norway	4.8	0
New Orleans, Louisiana, USA	10.4	0
White Plains, New York, USA	50	0
Indianapolis, Indiana, USA	60.4	0
Bangalore, India	359.5	0
Hanoi, Vietnam	18.8	0
Tokyo, Japan	156.6	0
Gurgaon, India	686.1	0
Sydney, Australia	568.4	0
Prague, Czech Republic	168.9	0
Helsinki, Finland	22.4	0
Frankfurt, Germany	202	0
Milan, Italy	26	0
Luxembourg	20	0
Warsaw, Poland	200.4	0
Cologne, Germany	12.8	0
London, England	2235	0
Leipzig, Germany	3.1	0
San Diego, California, USA	123.3	0
Bogota, Colombia	9	0
Berlin, Germany	86.3	0
Paris, France	149.6	0
Seoul, South Korea	192.7	0
Fort Collins, Colorado, USA	29.2	0
Lausanne, Switzerland	1.1	0
Stuttgart, Germany	24.2	0
Hong Kong	562.3	0
Budapest, Hungary	46.6	0
Manchester, England	92.8	0
Hyderabad, India	167.8	0
Amhmedabad, India	19.4	0
Porto, Portugal	2.7	0
Topsia, India	46.7	0
Utrecht, Netherlands	5.5	0
Bucharest, Romania	108.1	0
Rome, Italy	22	0
Taipei, Taiwan	125.2	0
Solna, Sweden	3.8	0
Dallas, Texas, USA	749.8	0
Hartford, Connecticut, USA	28.8	0
Turku, Finland	0.6	0
Osaka, Japan	100.2	0
Melbourne, Australia	9.8	0
Toronto, Ontario, Canada	287.9	0
Gonglian, China	0.6	0
Chongqing, China	4.2	0
Amsterdam, Netherlands	511.6	0
Dubai	53	0
Brookfield, Wisconsin, USA	147.6	0

Facility	Scope 2 location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Boston, Massachusetts	97.3	0
Tel Aviv, Israel	31.2	0
Jyväskylä, Finland	0.5	0
Oulu, Finland	1.8	0
Belgrade, Serbia	11.7	0
Broadbeach, Australia	34.7	0
Phoenix, Arizona, USA	269.9	0
Tucson, Arizona, USA	31.4	0
Kahului, Hawaii, USA	4.4	0
Honolulu, Hawaii, USA	50.5	0
Des Moines, Iowa, USA	8.5	0
Fayetteville, North Carolina, USA	8.8	0
Little Rock, Arkansas	4.7	0
Norcross, Georgia, USA	27.5	0
Birmingham, Alabama, USA	7.9	0
San Francisco, California, USA	65.3	0
Nice, France	1.2	0
Nantes, France	2.3	0
Toulouse, France	3	0
Roseville, California, USA,	18.1	0
Stockton, California, USA	6.7	0
Santa Fe Springs, California, USA	4.4	0
Santa Barbara, California, USA	8.5	0
East Brunswick, New Jersey, USA	52.5	0
Sacramento, California, USA	82	0
Atlanta, Georgia, USA	350.7	0
Glendale, California, USA	54.8	0
El Segundo, California, USA	82.6	0
Newport Beach, California, USA	195.7	0
Orange County, California, USA	25.4	0
San Jose, California, USA	64.5	0
Allentown, Pennsylvania, USA	6.8	0
Portland, Oregon, USA	45.5	0
Oklahoma Cite, Oklahoma, USA	50.4	0
Tulsa, Oklahoma, USA	114.8	0
Cleveland, Ohio, USA	155.8	0
Queens, New York, USA	9.3	0
Long Island, New York, USA	57.8	0
New York City, New York, USA	551.5	0
Mt. Laurel, New Jersey, USA	13.5	0
Albuquerque, New Mexico, USA	45.2	0
Florham Park, New Jersey, USA	13	0
Kansas City, Missouri, USA	49.8	0
Minneapolis, Minnesota, USA	677.9	0
Pleasanton, California, USA	4.9	0
Palo Alto, California, USA	33.8	0
Oakland, California, USA	20.3	0
Carlsbad, California, USA	12.1	0
Denver, Colorado, USA	74.8	0
Baltimore, Maryland, USA	31.2	0
Oak Brook, Illinois, USA	82.9	0
Charlotte, North Carolina, USA	17.4	0
Tampa, Florida, USA	51.1	0
Saddlebrook, New Jersey, USA	143.1	0
Bethesda, Maryland, USA	28.6	0
Orlando, Florida, USA	25.3	0
Chicago, Illinois, USA	292.1	0
Grand Rapids, Michigan, USA	1.8	0
Las Vegas, Nevada, USA	68.6	0
St. Louis, Missouri, USA	92.3	0
Palm Beach, California, USA	43.7	0
Washington D.C., USA	240.8	0
Charleston, South Carolina, USA	32.7	0
Pittsburgh, Pennsylvania, USA	102.5	0
Harrisburg, Pennsylvania, USA	9.3	0
Detroit, Michigan, USA	177	0
Louisville, Kentucky, USA	35	0
Miami, Florida, USA	136.9	0
Jacksonville, Georgia, USA	37	0
Ft. Lauderdale, Florida, USA	58	0

Facility	Scope 2 location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Wilmington, Florida, USA	10	0
Stamford, Connecticut, USA	8.6	0
Colorado Springs, Colorado, USA	20.8	0
Walnut Creek, California, USA	23.6	0
Arlington, Virginia, USA	7.3	0
Memphis, Tennessee, USA	100.3	0
Nashville, Tennessee, USA	79.5	0
Columbia, South Carolina, USA	27.1	0
Greenville, South Carolina, USA	39.7	0
Bellevue, Washington, USA	27	0
Richmond, Virginia, USA	28.4	0
Kent, Washington, USA	7.3	0
Salt Lake City, Utah, USA	42.1	0
Seattle, Washington, USA	185.5	0
Tacoma, Washington, USA	16.4	0
Madison, Wisconsin, USA	11.9	0
San Antonio, Texas, USA	32.5	0
El Paso, Texas, USA	12	0
Houston, Texas, USA	144.8	0
Columbus, Ohio, USA	29.4	0
Cincinnati, Ohio, USA	118.9	0
Akron, Ohio, USA	7.3	0
Reno, Nevada, USA	11.1	0
Milwaukee, Wisconsin, USA	67.2	0
McKinney, Texas, USA	392.3	0
Tyson's Corner, Virginia, USA	108	0
Barcelona, Spain	138.8	0
Bilbao, Spain	8.2	0
Madrid, Spain	296.8	0
Valencia, Spain	30.8	0
Casablanca, Morocco	52.1	0
Dublin, Ireland	84.4	0
Edinburgh, Scotland	43.4	0
Glasgow, Scotland	132.6	0
Aberdeen, Scotland	15.3	0
Belfast, Northern Ireland	53	0
Birmingham, England	123.8	0
Leeds, England	120.5	0
Liverpool, England	256	0
Luton, England	30.6	0
Yokohama, Japan	13	0
Sendai, Japan	16.2	0
Sapporo, Japan	14.5	0
Nagoya, Japan	28.5	0
Kanazawa, Japan	9.3	0
Hiroshima, Japan	20.4	0
Fukuoka, Japan	14	0
Chengdu, China	53.2	0
Guangzhou, China	56.6	0
Hangzhou, China	32.4	0
Shanghai, China	210.6	0
Shenzhen, China	68.4	0
Wuhan, China	367	0
Kolkata, India	52	0
New Delhi, India	95.6	0
Southampton, England	55	0
Waterlooville, England	69.2	0
Phuket, Thailand	91.1	0
Bangkok, Thailand	189.74	0
Brisbane, Australia	401.2	0
Perth, Australia	152.5	0
Parramatta, England	58.6	0
Mulgrave, Australia	51.2	0
Mooloolaba, Australia	59.7	0
Melbourne, Australia	461.8	0
Canberra, Australia	111.8	0
Cairns, Australia	35.4	0
Adelaide, Australia	49.9	0
Windsor, Ontario	6.6	0
Auckland, New Zealand	13.2	0
Wellington, New Zealand	121	0

Facility	Scope 2 location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Christchurch, New Zealand	20.7	0
Antwerp, Belgium	15.7	
Moscow, Russia	74.6	0
Košice, Slovakia	6.7	0
Banská Bystrica, Slovakia	4	0
Palma, Spain	5	0
Geneva, Switzerland	5.1	0
Saint Laurent, Canada	26.4	0
Ottawa, Canada	39.6	0
Kitchener, Canada	19.8	0
Halifax, Canada	40	0
Edmonton, Canada	63.1	0
Calgary, Canada	143	0
Shanghai, China	41.1	0
Newbury, Canada	37.6	0
Coleshill, England	25.3	0
Bristol, England	92	0
Manama, Bahrain	14.3	0
Zaragoza, Spain	4	0
Malmö, Sweden	0.2	0
Göteborg, Sweden	3.5	0
Abu Dhabi, Saudi Arabia	19	0
Copenhagen, Denmark	35.9	0
Aix-en-Provence, France	1	0
St. Denis, France	7.5	0
Aarhus, Denmark	6.4	0
Marseille, France	3.4	0
Bordeaux, France	2.8	0
Lyon, France	6.4	0
Chennai, France	170.2	0
Hamburg, Germany	55.6	0
Düsseldorf, Germany	45.9	0
Munich, Germany	111	0
Nuremberg, Germany	5	0
Rio de Janeiro, Brazil	24.5	0
Sao Paula, Brazil	122.2	0
Curitiba, Brazil	9.1	0
Santiago, Chile	41	0
Guadalajara, Mexico	28.6	0
Mexico City, Mexico	165.9	0
Monterrey, Mexico	4.9	0
Queretaro, Mexico	1.7	0
Turin, Italy	6.6	0
Modena, Italy	73.5	0
Beijing, China	106.4	0
Brussels, Belgium	51.2	0
Gdansk, Poland	11.1	0
Albertslund, Denmark	5.7	0
Krakow, Poland	6.1	0
Vienna, Austria	22.7	0
Essen, Germany	93.6	0
Vancouver, Canada	78.7	0
The Hague, Netherlands	23.2	0
Rotterdam, Netherlands	20.4	0
Utrecht, Netherlands	121.2	0
Zurich, Switzerland	6.1	0
Pozna, Poland	0.4	0
Oakville, Canada	8.8	0
Victoria, Canada	3.9	0
Stalowa Wola, Poland	11.4	0
Lublin, Poland	53.2	0
Bielsko-Biala, Poland	22.7	0
Ho Chi Minh City, Vietnam	53.3	0
Burlingame, California, USA	15.1	0
Argentina	11.7	0
Uniq, Japan	20.6	0
Stockholm, Sweden	22.6	0
Philadelphia, Pennsylvania, USA	165.8	0
Los Angeles, California, USA	341.5	0

C7.9

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

Decreased

C7.9a

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

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable >		
Other emissions reduction activities	571	Decreased	0.8	These reductions were primarily achieved through space attrition and efficiencies gained through our Workplace360 initiative. Each Workplace360 office is a "free address" environment, supported by leading-edge technology tools and platforms. Assigned offices and workstations are eliminated; instead, up to 15 different types of workspaces are offered based on carefully calculated employee usage patterns. In these new spaces, we have reduced our footprint significantly – avoiding more than 470,000 square feet globally since the program was launched in 2013 – while offering greater functionality and flexibility. This has resulted in lower energy use and carbon emissions. In 2018, 571 tons of CO2e were reduced through this initiative, and our total Scope 1 and Scope 2 emissions in the previous year was 71067 tCO2e, therefore we arrived at -0.8% through $(-571/71067) * 100 = -0.8\%$ (i.e. a 0.8% decrease in emissions).
Divestment		<Not Applicable >		
Acquisitions		<Not Applicable >		
Mergers		<Not Applicable >		
Change in output		<Not Applicable >		
Change in methodology		<Not Applicable >		
Change in boundary		<Not Applicable >		
Change in physical operating conditions		<Not Applicable >		
Unidentified		<Not Applicable >		
Other		<Not Applicable >		

C7.9b

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

Location-based

C8. Energy

C8.1

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

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

C8.2

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

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

C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)	0	193912	193912
Consumption of purchased or acquired electricity	<Not Applicable>	0	48773	48773
Consumption of purchased or acquired heat	<Not Applicable>	0	18081	18081
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	0	260766	260766

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	No
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

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

Fuels (excluding feedstocks)

<Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 137651
 LHV (lower heating value)
 Motor Gasoline

Heating value

<Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 137651
 LHV (lower heating value)

Total fuel MWh consumed by the organization

<Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>
 137651

MWh fuel consumed for self-generation of electricity

<Not Applicable>
 <Not Applicable>
 <Not Applicable>
 <Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Comment

Fuels (excluding feedstocks)

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

56261

LHV (lower heating value)

Diesel

Heating value

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

56261

LHV (lower heating value)

Total fuel MWh consumed by the organization

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

56261

MWh fuel consumed for self-generation of electricity

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Comment

C8.2d

(C8.2d) List the average emission factors of the fuels reported in C8.2c.

Diesel

Emission factor

9147

Unit

metric tons CO2e per MWh

Emission factor source

[Car Small converted from km to mwh]2017 UK Government GHG Conversion Factors v1.0, published July 2017 (www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2017)

Comment

Motor Gasoline

Emission factor

19.4

Unit

lb CO2e per gallon

Emission factor source

US EPA GHG Emission Factors for Greenhouse Inventories, November 19th 2015, v2 (Table 1) [http://www.epa.gov/sites/production/files/2015-12/documents/emission-factors_nov_2015.pdf] using IPCC AR4 100-year GWP Factors

Comment

C8.2f

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

Basis for applying a low-carbon emission factor

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

No purchases or generation of low-carbon electricity, heat, steam or cooling accounted with a low-carbon emission factor

Low-carbon technology type

<Not Applicable>

<Not Applicable>

<Not Applicable>

<Not Applicable>

Region of consumption of low-carbon electricity, heat, steam or cooling

<Not Applicable>

<Not Applicable>

<Not Applicable>

MWh consumed associated with low-carbon electricity, heat, steam or cooling

<Not Applicable>

<Not Applicable>

Emission factor (in units of metric tons CO2e per MWh)

<Not Applicable>

Comment

C9. Additional metrics

C9.1

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

C10. Verification

C10.1

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

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

C10.1a

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

Scope

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete
Annual process
Scope 1

Verification or assurance cycle in place

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete
Annual process

Status in the current reporting year

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete

Type of verification or assurance

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance

Attach the statement

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf

Page/ section reference

100
ISO14064-3
all

Relevant standard

100
ISO14064-3

Proportion of reported emissions verified (%)

100

Scope

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete
Annual process
Scope 2 location-based

Verification or assurance cycle in place

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete

Annual process

Status in the current reporting year

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance
Complete

Type of verification or assurance

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Limited assurance

Attach the statement

100
ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf

Page/ section reference

100
ISO14064-3
all

Relevant standard

100
ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1b

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

Scope

ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Complete
Annual process
Scope 3- at least one applicable category

Verification or assurance cycle in place

ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Complete
Annual process

Status in the current reporting year

ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf
Complete

Attach the statement

ISO14064-3
all
CBRE 2018 GHG Verification Statement_FINAL_5.30.2019.pdf

Page/section reference

ISO14064-3
all

Relevant standard

ISO14064-3

C10.2

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

Yes

C10.2a

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

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C8. Energy	Other, please specify (Energy consumption within the organization)	AA1000AS, 2008 with 2018 Addendum	2018 energy consumption data, including fuel, heat, electricity, and total energy consumption, was externally assured as a part of the assurance process for our 2018 Corporate Responsibility Report CBRE 2018 Assurance Statement FINAL.pdf

C11. Carbon pricing

C11.1

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

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

C11.2

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

No

C11.3

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

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

C12. Engagement

C12.1

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

Yes, our customers

C12.1b

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

Type of engagement

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet. Our Global Energy and Sustainability team provides comprehensive energy and sustainability services to our clients, focusing on fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, globally, buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services. This equates to approximate 26% of floor area under management.

26

Share information about your products and relevant certification schemes (i.e. Energy STAR)

Education/information sharing

Details of engagement

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet. Our Global Energy and Sustainability team provides comprehensive energy and sustainability services to our clients, focusing on fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, globally, buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services. This equates to approximate 26% of floor area under management.

26

Share information about your products and relevant certification schemes (i.e. Energy STAR)

% of customers by number

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet. Our Global Energy and Sustainability team provides comprehensive energy and sustainability services to our clients, focusing on fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, globally, buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services. This equates to approximate 26% of floor area under management.

26

% Scope 3 emissions as reported in C6.5

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet. Our Global Energy and Sustainability team provides comprehensive energy and sustainability services to our clients, focusing on fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, globally, buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services. This equates to approximate 26% of floor area under management.

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

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet. Our Global Energy and Sustainability team provides comprehensive energy and sustainability services to our clients, focusing on fact-based outcomes that lessen environmental impact – generating both immediate results and long-term financial benefits through key integrated strategies. Our team includes more than 220 energy and sustainability experts and experienced professionals. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2018, globally, buildings under management totaling 1.562 billion square feet were provided with energy and sustainability services. This equates to approximate 26% of floor area under management.

Impact of engagement, including measures of success

CBRE continues to assist our clients in their efforts to achieve green building certifications around the world. Our building certifications team, which is a part of the Global Energy and Sustainability team, completed a total of 129 certifications totaling more than 65.9 million square feet in 2018. This included certifications such as LEED, WELL, HQE, BIU, DGNB and BREEAM. Since our certification team was formed in 2009, it has completed a total of 1,326 certifications totaling more than 319 million square feet.

Type of engagement

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019. Our U.S. property management team benchmarks energy consumption for properties that we manage using ENERGY STAR Portfolio Manager. We aim to benchmark energy consumption for all U.S. properties that we manage and work to decrease energy consumption for those properties.

7

Share information about your products and relevant certification schemes (i.e. Energy STAR)

Education/information sharing

Details of engagement

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019. Our U.S. property management team benchmarks energy consumption for properties that we manage using ENERGY STAR Portfolio Manager. We aim to benchmark energy consumption for all U.S. properties that we manage and work to decrease energy consumption for those properties.

7

Share information about your products and relevant certification schemes (i.e. Energy STAR)

% of customers by number

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019. Our U.S. property management team benchmarks energy consumption for properties that we manage using ENERGY STAR Portfolio Manager. We aim to benchmark energy consumption for all U.S. properties that we manage and work to decrease energy consumption for those properties.

7

% Scope 3 emissions as reported in C6.5

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019. Our U.S. property management team benchmarks energy consumption for properties that we manage using ENERGY STAR Portfolio Manager. We aim to benchmark energy consumption for all U.S. properties that we manage and work to decrease energy consumption for those properties.

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

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had

successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019. Our U.S. property management team benchmarks energy consumption for properties that we manage using ENERGY STAR Portfolio Manager. We aim to benchmark energy consumption for all U.S. properties that we manage and work to decrease energy consumption for those properties.

Impact of engagement, including measures of success

During 2018, CBRE registered and benchmarked a record 6,418 buildings, representing more than 420.2 million square feet, in the U.S. Department of Energy's ENERGY STAR program. CBRE's 324 labeled buildings under management represent 3% of all 10,656 U.S. office buildings labeled in ENERGY STAR. We manage another 892 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. For the period of 2007-2017, CBRE had successfully improved our average ENERGY STAR score, achieving a cumulative increase of 11% for the portfolio. 2018 scores are not available due to updates to the ENERGY STAR office model in August 2018, which led to a review of the model and updates to scores, which are currently scheduled to be released in July 2019.

C12.3

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

Trade associations
Other

C12.3b

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

Yes

C12.3c

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

Trade association

CBRE has actively advocated for BOMA to take a different position on building energy disclosure for several years. BOMA International, through its official policy, actively promotes benchmarking on a voluntary basis through EPA's ENERGY STAR Portfolio Manager. BOMA International's official policy position, however, opposes mandates for energy benchmarking, disclosure, and labeling. CBRE generally supports regulatory requirements for building energy disclosure.
Mixed
Building Owners and Managers Association (BOMA)

Is your position on climate change consistent with theirs?

CBRE has actively advocated for BOMA to take a different position on building energy disclosure for several years. BOMA International, through its official policy, actively promotes benchmarking on a voluntary basis through EPA's ENERGY STAR Portfolio Manager. BOMA International's official policy position, however, opposes mandates for energy benchmarking, disclosure, and labeling. CBRE generally supports regulatory requirements for building energy disclosure.
Mixed

Please explain the trade association's position

CBRE has actively advocated for BOMA to take a different position on building energy disclosure for several years. BOMA International, through its official policy, actively promotes benchmarking on a voluntary basis through EPA's ENERGY STAR Portfolio Manager. BOMA International's official policy position, however, opposes mandates for energy benchmarking, disclosure, and labeling. CBRE generally supports regulatory requirements for building energy disclosure.

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

CBRE has actively advocated for BOMA to take a different position on building energy disclosure for several years.

Trade association

We support and promote USGBC's position through our client services and messaging. The majority of efforts to address climate change through green buildings are focused on reducing greenhouse gas emissions reflected in the USGBC Leadership in Energy and Environmental Design (LEED) rating system, which allocates points for reducing GHG emissions associated with building systems, transportation, water, waste and construction materials.
Consistent
US Green Building Council (USGBC)

Is your position on climate change consistent with theirs?

We support and promote USGBC's position through our client services and messaging. The majority of efforts to address climate change through green buildings are focused on reducing greenhouse gas emissions reflected in the USGBC Leadership in Energy and Environmental Design (LEED) rating system, which allocates points for reducing GHG emissions associated with building systems, transportation, water, waste and construction materials.
Consistent

Please explain the trade association's position

We support and promote USGBC's position through our client services and messaging. The majority of efforts to address climate change through green buildings are focused on reducing greenhouse gas emissions reflected in the USGBC Leadership in Energy and Environmental Design (LEED) rating system, which allocates points for reducing GHG emissions associated with building systems, transportation, water, waste and construction materials.

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

We support and promote USGBC's position through our client services and messaging.

Trade association

CBRE has not attempted to influence NAIOP's position on climate change.

The following information is published on the NAIOP website: "In a proactive approach to engage its members and the commercial development industry in advancing an economically prosperous and sustainable built environment, NAIOP commits to: Encourage the real estate development industry to employ every technically feasible, cost-effective, sustainable strategy available to increase energy efficiency of new and existing buildings, and to employ cleaner, low carbon energy alternatives (including onsite energy), wherever possible. Advance public policies that accelerate ongoing energy efficiency and sustainability gains; support cleaner (including onsite) energy alternatives; and promote, wherever feasible, less carbon intensive transportation options to and from buildings. Engage in educational programs, seminars and conferences to help employ best practices for energy efficient development. To achieve our objectives, we encourage policy makers at the local, state and national levels to: Support energy efficiency incentives for new and existing buildings through R&D and local, state and federal tax provisions. Support the accelerated development of and increased access to cleaner, more efficient and lower carbon fuels (e.g., wind, solar, nuclear, hydro, etc.), including onsite or distributed generation (e.g., solar or co-generation) and mechanisms such as "net metering" that allows building owners that generate more "green power" electricity than they consume each month to deliver the excess back to utilities for market price. Encourage the construction of more energy efficient sustainable buildings through robust incentives, such as priority building permit review, improved tax treatment and zoning density bonuses (i.e., increased floor area ratios). Encourage the voluntary retrofitting of existing buildings through incentives such as expedited depreciation schedules, low-interest loans from utilities/other government agencies and utility rebates. Allow for real estate to participate directly or indirectly in greenhouse gas "Cap and Trade" markets in a way that recognizes, where appropriate, past and current energy conservation efforts. Increase infrastructure for low carbon transportation alternatives, (e.g. mass transit) and incentivize through local and state programs transportation options such as ride sharing, bicycling and public transportation."

Consistent
NAIOP

Is your position on climate change consistent with theirs?

CBRE has not attempted to influence NAIOP's position on climate change.

The following information is published on the NAIOP website: "In a proactive approach to engage its members and the commercial development industry in advancing an economically prosperous and sustainable built environment, NAIOP commits to: Encourage the real estate development industry to employ every technically feasible, cost-effective, sustainable strategy available to increase energy efficiency of new and existing buildings, and to employ cleaner, low carbon energy alternatives (including onsite energy), wherever possible. Advance public policies that accelerate ongoing energy efficiency and sustainability gains; support cleaner (including onsite) energy alternatives; and promote, wherever feasible, less carbon intensive transportation options to and from buildings. Engage in educational programs, seminars and conferences to help employ best practices for energy efficient development. To achieve our objectives, we encourage policy makers at the local, state and national levels to: Support energy efficiency incentives for new and existing buildings through R&D and local, state and federal tax provisions. Support the accelerated development of and increased access to cleaner, more efficient and lower carbon fuels (e.g., wind, solar, nuclear, hydro, etc.), including onsite or distributed generation (e.g., solar or co-generation) and mechanisms such as "net metering" that allows building owners that generate more "green power" electricity than they consume each month to deliver the excess back to utilities for market price. Encourage the construction of more energy efficient sustainable buildings through robust incentives, such as priority building permit review, improved tax treatment and zoning density bonuses (i.e., increased floor area ratios). Encourage the voluntary retrofitting of existing buildings through incentives such as expedited depreciation schedules, low-interest loans from utilities/other government agencies and utility rebates. Allow for real estate to participate directly or indirectly in greenhouse gas "Cap and Trade" markets in a way that recognizes, where appropriate, past and current energy conservation efforts. Increase infrastructure for low carbon transportation alternatives, (e.g. mass transit) and incentivize through local and state programs transportation options such as ride sharing, bicycling and public transportation."

Consistent

Please explain the trade association's position

CBRE has not attempted to influence NAIOP's position on climate change.

The following information is published on the NAIOP website: "In a proactive approach to engage its members and the commercial development industry in advancing an economically prosperous and sustainable built environment, NAIOP commits to: Encourage the real estate development industry to employ every technically feasible, cost-effective, sustainable strategy available to increase energy efficiency of new and existing buildings, and to employ cleaner, low carbon energy alternatives (including onsite energy), wherever possible. Advance public policies that accelerate ongoing energy efficiency and sustainability gains; support cleaner (including onsite) energy alternatives; and promote, wherever feasible, less carbon intensive transportation options to and from buildings. Engage in educational programs, seminars and conferences to help employ best practices for energy efficient development. To achieve our objectives, we encourage policy makers at the local, state and national levels to: Support energy efficiency incentives for new and existing buildings through R&D and local, state and federal tax provisions. Support the accelerated development of and increased access to cleaner, more efficient and lower carbon fuels (e.g., wind, solar, nuclear, hydro, etc.), including onsite or distributed generation (e.g., solar or co-generation) and mechanisms such as "net metering" that allows building owners that generate more "green power" electricity than they consume each month to deliver the excess back to utilities for market price. Encourage the construction of more energy efficient sustainable buildings through robust incentives, such as priority building permit review, improved tax treatment and zoning density bonuses (i.e., increased floor area ratios). Encourage the voluntary retrofitting of existing buildings through incentives such as expedited depreciation schedules, low-interest loans from utilities/other government agencies and utility rebates. Allow for real estate to participate directly or indirectly in greenhouse gas "Cap and Trade" markets in a way that recognizes, where appropriate, past and current energy conservation efforts. Increase infrastructure for low carbon transportation alternatives, (e.g. mass transit) and incentivize through local and state programs transportation options such as ride sharing, bicycling and public transportation."

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

CBRE has not attempted to influence NAIOP's position on climate change.

C12.3e

(C12.3e) Provide details of the other engagement activities that you undertake.

We are involved with a number of organizations that could either directly or indirectly influence public policy on climate change. These include:

* We are a member of the Global Real Estate Sustainability Benchmark (GRESB), an industry-driven organization committed to assessing the ESG performance of real assets globally, including real estate portfolios and infrastructure assets. CBRE employees sit on various GRESB regional benchmark committees.

* We have been involved with the Sustainability Accounting Standards Board (SASB), which sets industry-specific standards for corporate sustainability disclosure, with a view towards ensuring that disclosure is material, comparable, and decision-useful for investors. CBRE joined as a member of the SASB Alliance in 2017. A member of the CBRE Board of Directors sits on the SASB Foundation Board of Directors and a CBRE employee is a member of the SASB Standards Advisory Group.

The nature of our engagement with these organizations has also included thought leadership and advisory on climate strategies in commercial real estate, speaking engagements and sponsorships.

C12.3f

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

We recognize that our leadership in the commercial real estate industry requires that we have a voice in how the commercial environment is built, sourced, traded and managed. All climate change-related strategy, activities and memberships are managed through the corporate responsibility team, ensuring consistency in all aspects of our engagement with internal and external stakeholders. Also, the corporate responsibility team regularly engages with the company's public policy team to share information and collaborate on proposed activities.

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

Strategy
Emissions figures
Emission targets
Environmental Sustainability section, pages 33-34
CBRE_2018_CR_Report.pdf
Complete
In voluntary sustainability report

Status

Strategy
Emissions figures
Emission targets
Environmental Sustainability section, pages 33-34
CBRE_2018_CR_Report.pdf
Complete

Attach the document

Strategy
Emissions figures
Emission targets
Environmental Sustainability section, pages 33-34
CBRE_2018_CR_Report.pdf

Page/Section reference

Strategy
Emissions figures
Emission targets
Environmental Sustainability section, pages 33-34

Content elements

Strategy
Emissions figures
Emission targets

Comment

C14. 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.

C14.1

(C14.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Vice President, Corporate Responsibility	Environment/Sustainability manager

SC. Supply chain module

SC0.0

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

SC0.1

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

	Annual Revenue
Row 1	21340088000

SC0.2

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

Yes

SC0.2a

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

	ISIN country code (2 letters)	ISIN numeric identifier and single check digit (10 numbers overall)
Row 1	US	12504L1098

SC1.1

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

SC1.2

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

SC1.3

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

Allocation challenges	Please explain what would help you overcome these challenges
Customer base is too large and diverse to accurately track emissions to the customer level	We are a B2B services firm and do not manufacture products. It does not make sense to allocate our emissions to our clients.

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.

We are a B2B services firm and do not manufacture products. It does not make sense to allocate our emissions to our clients.

SC2.1

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

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?
No

SC3.1

(SC3.1) Do you want to enroll in the 2019-2020 CDP Action Exchange initiative?
No

SC3.2

(SC3.2) Is your company a participating supplier in CDP's 2018-2019 Action Exchange initiative?
No

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?
No, I am not providing data

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	Public or Non-Public Submission	I am submitting to	Are you ready to submit the additional Supply Chain Questions?
I am submitting my response	Public	Investors Customers	Yes, submit Supply Chain Questions now

Please confirm below

I have read and accept the applicable Terms