

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 2019 revenue). The company has more than 100,000 employees (excluding affiliates) and serves real estate investors and occupiers from more than 530 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
Reporting year	January 1 2019	December 31 2019	No	<Not Applicable>

C0.3

(C0.3) Select the countries/areas 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 chosen approach for consolidating your GHG inventory.

Operational control

C1. Governance

C1.1

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

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 explicitly 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)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify (Global Chief Operating Officer)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	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 Global Chief Operating Officer reports directly to the CEO. The Global Chief Operating 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 Global Chief Operating 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 global COO is a member of the Enterprise Risk Committee (ERC). The committee conducts an enterprise risk assessment to identify our most pressing risks, which beginning 2018 included climate change. These results are reported to the Board and CEO.

C1.3

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

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	

C1.3a

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

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Facilities manager	Non-monetary reward	Energy reduction project	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 2019, 23 teams achieved a 10% or greater year-over-year increase in their site's ENERGY STAR score and achieved a score of 75 or higher, receiving a formal award and acknowledgment from our global president of Property Management. These buildings together resulted in a total greenhouse gas emissions reduction of 4,679 metric tons of CO ₂ e, equivalent to 11.6 million miles driven by an average passenger vehicle.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

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

C2.1b

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

C2.2

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

Value chain stage(s) covered

Direct operations

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Medium-term

Description of process

Each year, CBRE's enterprise risk management team conducts an enterprise risk assessment to identify our most pressing risks. The assessment factors in the opinions of our leaders from across all business lines and geographies. Climate change was added to the 2018 CBRE Business Risk Inventory and was identified by leadership as an emerging risk for the company. As a result, CBRE's enterprise risk management team conducted a preliminary risk assessment focused on climate-related risks in 2019. We plan to conduct a more thorough assessment of our climate-related risks within the next year. Once the assessment is completed, we will develop a process for managing those risks.

C2.2a

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

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	This 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.

C2.3

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

Yes

C2.3a

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

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Legal	Other, please specify (Enhanced emissions-reporting obligations)
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Primary potential financial impact

Other, please specify (Increased costs and/or reduced demand for products and services resulting from fines and judgments)

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

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. Examples of these regulations include the U.K. government's ESOS and Streamlined Energy and Carbon Reporting (SECR) regulations and the California, U.S. state-wide building

energy use benchmarking and disclosure requirement.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

There could be a potential financial impact in governmental fines as a result of not complying with the reporting requirements. These fines vary by location and over time as requirements evolve and given our global scale the impact has not been quantified financially.

Cost of response to risk

Description of response and explanation of cost calculation

Our current method for managing this risk includes monitoring and evaluating regulatory requirements at the global, federal, state, and local level and ensuring awareness across local markets. These management methods allow CBRE to proactively respond to reporting obligations such as AB 802 in California, U.S. and ESOS in the U.K. 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 U.S., 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 and states.

Comment

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods
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Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

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 which threatens our ability to maintain client services. For example, a significant flooding event may impact operations within a specific city, preventing employees from accessing the office for an unknown amount of time. However, employees still have client obligations they must meet and the loss of access to the office may impact their ability to meet those obligations. In addition, the impacts of this event may reduce the real estate market availability and interest in the area, impacting CBRE's services.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

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, however the financial impact of this lost has not been quantified.

Cost of response to risk

Description of response and explanation of cost calculation

Our method for managing the risk is CBRE's Business Continuity program, managed by our Global Security & Crisis Management team. This program 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.

Comment

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Reputation	Shifts in consumer preferences
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Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

The inability to provide services for climate change-related requirements as a result 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. For example, if our staff are not familiar with the various tools and processes required as part of emissions reporting obligations (example: reporting energy use through ENERGY STAR Portfolio Manager), they may be unable to meet the needs of a client who is held to those reporting obligations and thus we may lose client business.

Time horizon

Short-term

Likelihood

More likely than not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The impact has not been quantified financially

Cost of response to risk

Description of response and explanation of cost calculation

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. For example, 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. Since then, more than 2,100 employees have completed the four-part training and over 880 additional employees completed at least one of the training modules by the end of 2019.

Comment

C2.4

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

Yes

C2.4a

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

Identifier

Opp1

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Shift in consumer preferences

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

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.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

37000000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Our 2019 revenue from energy and sustainability services was \$127,000,000. We expect these revenues to significantly expand in future years due to this opportunity. The above financial impact figure represents an annual potential revenue increase from increasing our energy and sustainability services across the global regions in which we operate. To calculate the potential financial impact, we combined the annual revenue projections developed for our various energy and sustainability services teams based on business forecasts.

Cost to realize opportunity

26000000

Strategy to realize opportunity and explanation of cost calculation

During 2019 CBRE provided some level of these services for more than 1.645 billion square feet of client owned and managed space. These services included benchmarking more than 5,600 buildings in the EPA ENERGY STAR program and completing 150 green building certifications, including LEED, BREEAM, and WELL. The cost to realize this opportunity represents the cost to hire and onboard additional staff needed to market and meet increased services, as projected by each energy and sustainability team specific to their regional and business forecasts.

Comment**Identifier**

Opp2

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Resilience

Primary climate-related opportunity driver

Resource substitutes/diversification

Primary potential financial impact

Please select

Company-specific description

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.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The impact has not been quantified financially

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier

Opp3

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Other, please specify (Continuity services)

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

As part of our property and facility management services, we provide response, remediation and recovery efforts from severe weather events. As climate change increases the likelihood of droughts, flooding, tropical cyclones, snow, and ice, there is an opportunity for us to expand our services in remediation and recovery. For example, if a city is flooded by a severe storm, our property and facility management team would assess the impact on our client's real estate asset and work with them to remediate and recover in order to achieve normal operations again in a timely manner. If these events become more frequent or more severe, CBRE can increase the scope of these services and offer additional service offerings to address these events.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The impact has not been quantified financially

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Our current method for managing the effects of severe weather events is through CBRE's Global Standards for property management – specifically the standards on risk management and security. These standards outline emergency response plans and protocols to safeguard people, properties and the interests of employees, tenants and clients. We also utilize the expertise within our corporate Business Continuity Program, which 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.

Comment

C3. Business Strategy

C3.1

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

Yes

C3.1a

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

No, but we anticipate using qualitative and/or quantitative analysis in the next two years

C3.1c

(C3.1c) Why does your organization not use climate-related scenario analysis to inform its 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.

C3.1d

(C3.1d) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	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 250 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 2019, revenue from energy and sustainability services totaled more than \$127 million across our operations globally and buildings under management totaling 1.645 billion square feet were provided with energy and sustainability services.
Supply chain and/or value chain	Yes	We require our suppliers to conduct their operations in an environmentally sustainable and socially responsible manner and our Supplier Code of Conduct has been in place since 2016. CBRE mySupplier, our new supplier engagement, compliance and management portal is used to screen suppliers on a variety of environmental and social criteria. Suppliers are scored on their answers to 16 sustainability-specific questions. These scores are reviewed at supplier governance and performance meetings to discuss how the supplier plans to improve their score. In late 2019, CBRE contracted with EcoVadis with the vision to embed EcoVadis sustainability ratings into the CBRE procurement process globally.
Investment in R&D	Yes	In April 2018, CBRE implemented a strategic partnership and investment in energy services firm Redaptive, Inc. Redaptive provides integrated energy efficiency solutions and energy financing for building owners and occupiers. This partnership and investment enables Redaptive to expand its capacity into more portfolios worldwide, while helping our clients reduce costs and improve sustainability.
Operations	Yes	CBRE is committed to implementing environmentally sustainable best practices for our own operations. In 2013, CBRE launched Workplace360, our global workplace strategy initiative. By the end of 2019, we had opened 81 Workplace360 offices worldwide, representing 35% of our global occupied space. An additional 14 Workplace360 offices are underway in 2020. In these new spaces, we have reduced our footprint by nearly 548,000 sq. ft. while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas emissions. CBRE also purchases carbon offsets and renewable energy credits (RECs) for Workplace360 offices as part of LEED v4 for Interior Design and Construction certification. As our Environmental Sustainability Policy states, we give preference to certified green buildings for our leased corporate facilities and/or pursue interior design and construction certification using recognized green building standards when we relocate or refurbish offices larger than 10,000 sq. ft. In total, approximately 44% of our global occupied space, have been certified under the schemes LEED, BREEAM and WELL. The vast majority of our corporate occupancy occurs as a tenant in multi-tenant office buildings. To measure our own use requires the installation of separate utility meters. Globally, 49% of our occupied floor area was directly metered in 2019 and enabled capturing relevant consumption data for the 2019 inventory.

C3.1e

(C3.1e) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues	Revenue from energy and sustainability services totaled more than \$127 million across our operations globally in 2019. We expect these revenues to significantly expand in future years due to increase in energy & sustainability services.

C3.1f

(C3.1f) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

C4. Targets and performance

C4.1

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

Absolute target

C4.1a

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

Target reference number

Abs 1

Year target was set

2017

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1

Base year

2016

Covered emissions in base year (metric tons CO2e)

63414

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

100

Target year

2026

Targeted reduction from base year (%)

20

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

50731.2

Covered emissions in reporting year (metric tons CO2e)

58770

% of target achieved [auto-calculated]

36.616520011354

Target status in reporting year

Underway

Is this a science-based target?

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

Please explain (including target coverage)

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. In 2019, we saw an increase in our fleet vehicle emissions over 2018 due to additional data collected and higher mileage reported from existing fleet. However, we have achieved an overall decrease in emissions of 7% from our 2016 baseline year.

Target reference number

Abs 2

Year target was set

2016

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 2 (location-based)

Base year

2015

Covered emissions in base year (metric tons CO2e)

33949

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

100

Target year

2025

Targeted reduction from base year (%)

30

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

23764.3

Covered emissions in reporting year (metric tons CO2e)

28020

% of target achieved [auto-calculated]

58.2147731401023

Target status in reporting year

Underway

Is this a science-based target?

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

Please explain (including target coverage)

In 2019, we saw an increase in emissions from 2018 due to an increase in the number of offices and portfolio floor area, as well as improved accuracy of data. Despite this year-over-year increase, we have reduced overall Scope 2 emissions 17% from our target baseline of 2015. These Scope 2 reductions were primarily achieved through efficiencies gained through our Workplace360 initiative as well as the greening of electricity across our operations, including 100% renewable electricity for some offices across Europe.

Target reference number

Abs 3

Year target was set

2016

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 2 (location-based)

Base year

2015

Covered emissions in base year (metric tons CO2e)

33949

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

100

Target year

2035

Targeted reduction from base year (%)

50

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

16974.5

Covered emissions in reporting year (metric tons CO2e)

28020

% of target achieved [auto-calculated]

34.9288638840614

Target status in reporting year

Underway

Is this a science-based target?

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

Please explain (including target coverage)

In 2019, we saw an increase in emissions from 2018 due to an increase in the number of offices and portfolio floor area, as well as improved accuracy of data. Despite this year-over-year increase, we have reduced overall Scope 2 emissions 17% from our target baseline of 2015. These Scope 2 reductions were primarily achieved through efficiencies gained through our Workplace360 initiative as well as the greening of electricity across our operations, including 100% renewable electricity for some offices across Europe. We are well on our way to achieving our 2035 goal.

C4.2

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

No other climate-related targets

C4.3

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

Yes

C4.3a

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

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*		
Implementation commenced*	1	8834
Implemented*	1	426958
Not to be implemented		

C4.3b

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

Initiative category & Initiative type

Energy efficiency in buildings	Other, please specify (Building Efficiency and Controls Projects)
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Estimated annual CO2e savings (metric tonnes CO2e)

426958

Scope(s)

Scope 3

Voluntary/Mandatory

Voluntary

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

99680000

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

Payback period

Please select

Estimated lifetime of the initiative

Please select

Comment

During 2019, CBRE provided energy and sustainability services for more than 1.645 billion square feet of client space and identified more than \$99 million in energy savings. When fully accomplished, these projects will eliminate more than 426,000 metric tons of CO2e.

Initiative category & Initiative type

Energy efficiency in buildings	Other, please specify (Workplace360 Office Retrofits)
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Estimated annual CO2e savings (metric tonnes CO2e)

8834

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

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

1305718

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

Payback period

Please select

Estimated lifetime of the initiative

Please select

Comment

By the end of 2019, we had opened 81 Workplace360 offices worldwide, representing 35% of our global occupied space. An additional 14 Workplace360 offices are underway in 2020. 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 by nearly 548,000 sq. ft. while offering greater functionality and flexibility. This has resulted in lower energy use and greenhouse gas 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 Property Management 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

Group of products

Description of product/Group of products

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 such as BREEAM, LEED and others, as well as energy rating schemes such as ENERGY STAR and NABERS.

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

Avoided emissions

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

Please select

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

1.07

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

Revenue from energy and sustainability services totaled more than \$127.9 million globally, which is approximately 1% of fee revenue.

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 2019

Base year end

December 31 2019

Base year emissions (metric tons CO2e)

58770

Comment

Due to acquisitions and a new methodology approach, CBRE has re-set its baseline to be its 2019 calendar year greenhouse gas inventory. This 2019 base year is aligned with the Science-based Target CBRE will be submitting to the Science-based Targets Initiative in 2020.

Scope 2 (location-based)

Base year start

January 1 2019

Base year end

December 31 2019

Base year emissions (metric tons CO2e)

28020

Comment

Due to acquisitions and a new methodology approach, CBRE has re-set its baseline to be its 2019 calendar year greenhouse gas inventory. This 2019 base year is aligned with the Science-based Target CBRE will be submitting to the Science-based Targets Initiative in 2020.

Scope 2 (market-based)

Base year start

January 1 2019

Base year end

December 31 2019

Base year emissions (metric tons CO2e)

28428

Comment

Due to acquisitions and a new methodology approach, CBRE has re-set its baseline to be its 2019 calendar year greenhouse gas inventory. This 2019 base year is aligned with the Science-based Target CBRE will be submitting to the Science-based Targets Initiative in 2020.

C5.2

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

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

The Greenhouse Gas Protocol: Scope 2 Guidance

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

58770

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

C6.2

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

Row 1

Scope 2, location-based

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We are reporting a Scope 2, market-based figure

Comment

CBRE began calculating Scope 2 market-based emissions in 2019

C6.3

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

Reporting year

Scope 2, location-based

28020

Scope 2, market-based (if applicable)

28428

Start date

<Not Applicable>

End date

<Not Applicable>

Comment

C6.4

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

No

C6.5

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

Purchased goods and services

Evaluation status

Relevant, calculated

Metric tonnes CO2e

259234

Emissions calculation methodology

GHG Protocol Corporate Standard- "Technical Guidance for Calculating Scope 3 Emissions", using "spend-based method" and cradle-to-gate emission factors from US EEIO

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

Please explain

Capital goods

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Any capital goods purchased reflect a very small proportion of our overall global spend and cannot be disaggregated from the overall 'purchased goods and services' spend

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

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

4525

Emissions calculation methodology

Well-to-tank (WTT) fuels: These emissions were calculated using DEFRA/DECC and IEA emissions factors for WTT, applied to Scope 1 fuel consumption. Transmission & Distribution losses (T&D): These emissions were calculated using IEA, DEFRA/DECC, EPA eGRID, and Canadian government T&D emissions factors, applied to Scope 2 electricity consumption by region/country as applicable.

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

Please explain

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>

Please explain

Not relevant because the emissions from this category are already included in the life-cycle emissions of our goods and services, reported in Purchased Goods and Services (Category 1).

Waste generated in operations

Evaluation status

Not relevant, explanation provided

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

This category is not relevant because waste is a very small proportion of our overall Scope 3 emissions and is incorporated within our life-cycle emissions from waste management spend in Purchased Goods and Services (Category 1).

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

41467

Emissions calculation methodology

Rail and air travel emissions are calculated using DEFRA/DECC emissions factors and travel data including mileage from various travel agency suppliers. This category includes emissions from ground transportation and optional hotel emissions, calculated using a "spend-based method" and cradle-to-gate emission factors from US EEIO.

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

62

Please explain

While the spend method was used to determine some business travel emissions, most of the emissions were calculated using data provided by our travel management suppliers.

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

179037

Emissions calculation methodology

GHG Protocol Corporate Standard, Scope 3, Chapter 7: Employee Commuting, "Average Data Method" was used to calculate emissions. Activity data was collected via a global employee commute survey.

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

Please explain

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>

Please explain

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>

Please explain

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>

Please explain

Not applicable to our business as a service company.

Use of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

26570775

Emissions calculation methodology

As a B2B services company, CBRE does not sell products. However, CBRE manages a large portfolio of properties and facilities on behalf of clients and while CBRE does not have operational control over these properties, CBRE does recognize we are in a position to influence the emissions of these properties at sites where the scope of work allows. Therefore, within our Scope 3 reporting CBRE calculates the emissions for the managed portfolio where CBRE has operational influence over the property, as this is where CBRE can influence the emissions associated with the property even without direct operational control. To estimate the emissions for this portfolio of properties, we work with our Property Management and Facility Management teams to determine the SQFTG of the portfolio where CBRE has operational influence. We then calculate energy and/or emissions intensities at the regional level by space use type (office, retail, etc.), either representing actual energy data tracked at client sites (such as through ENERGY STAR Portfolio Manager in the U.S.), or local best practice average intensity data by space use type for regions where we do not have client data (such as using REEB intensity ranges for facilities by space type within the U.K.) These average intensities are then applied to the SQFTG within that region and space use type where we have operational influence. CBRE is working to better collect client data across the global regions where we operate, and our emissions calculations will improve in accuracy as we do.

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

Please explain

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>

Please explain

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>

Please explain

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>

Please explain

We do not operate under a franchise model.

Investments

Evaluation status

Relevant, calculated

Metric tonnes CO2e

945506

Emissions calculation methodology

CBRE's wholly owned subsidiary CBRE Global Investors tracks energy consumption and emissions for a portion of direct (equity) investments within a third-party vendor platform. Using the data collected, CBRE can estimate the emissions intensity for the direct investments in the system and apply that emissions intensity to the full direct investments portfolio, including those not yet managed within the third-party platform, based on the portfolio square footage. There are areas of uncertainty within this method, outside of the inherent estimation of assuming an average intensity reflects the entire portfolio, including uncertainty of: the accuracy of the square footage of each asset, the data supplied through self-reporting, including the coverage of the self-reported energy consumption, and the emissions intensity of each asset's fuel source (a location-based method is used to calculate emissions rather than market-based). We are working to improve the accuracy of our emissions estimations each year for our large portfolio of direct investments.

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

Please explain

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>

Please explain

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>

Please explain

C6.7

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

No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

0.868

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

86790

Metric denominator

full time equivalent (FTE) employee

Metric denominator: Unit total

100000

Scope 2 figure used

Location-based

% change from previous year

11

Direction of change

Increased

Reason for change

CBRE Scope 1 and 2 emissions increased year-over-year from 2018 at a larger percentage rate than our FTE due to both acquisitions resulting in larger square footage in our portfolio and a campaign to improve our data collection and emissions calculation methodologies.

Intensity figure

0.00000363

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

86790

Metric denominator

unit total revenue

Metric denominator: Unit total

23894091000

Scope 2 figure used

Location-based

% change from previous year

10

Direction of change

Increased

Reason for change

CBRE Scope 1 and 2 emissions increased year-over-year from 2018 at a larger percentage rate than our revenue due to both acquisitions resulting in larger square footage in our portfolio and a campaign to improve our data collection and emissions calculation methodologies.

Intensity figure

0.872

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

87198

Metric denominator

full time equivalent (FTE) employee

Metric denominator: Unit total

100000

Scope 2 figure used

Market-based

% change from previous year

Direction of change

<Not Applicable>

Reason for change

CBRE began tracking market-based emissions in its 2019 inventory

Intensity figure

0.00000365

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

87198

Metric denominator

unit total revenue

Metric denominator: Unit total

23894091000

Scope 2 figure used

Market-based

% change from previous year

Direction of change

<Not Applicable>

Reason for change

CBRE began tracking market-based emissions in its 2019 inventory

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	58578.93	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	25.53	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	165.48	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)
Austria	302.285
Belgium	1381.756
Canada	1653.237
China	67.077
Czechia	720.527
Denmark	453.357
Finland	129.098
France	1596.185
Germany	4381.593
China, Hong Kong Special Administrative Region	57.718
Hungary	640.638
India	104.077
Ireland	458.931
Italy	293.099
Japan	81.943
Luxembourg	82.1
Morocco	36.774
Netherlands	3674.097
Norway	16.651
Poland	1062.514
Portugal	225.942
Romania	23.873
Russian Federation	53.061
Slovakia	234.857
Spain	874.427
Sweden	212.1
Switzerland	2238.348
Thailand	154.183
Turkey	86.232
United Kingdom of Great Britain and Northern Ireland	4546.436
United States of America	32915.965
Viet Nam	10.844

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	58408.348
Emissions from stationary combustion	361.593

C7.5

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

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
Argentina	35.16	35.16	114.84	0
Australia	1647.911	1647.911	3066.17	0
Austria	102.797	147.156	511.97	0
Bahrain	19.848	19.848	37.26	0
Belgium	372.895	364.925	2011.76	0
Brazil	170.805	170.805	1276.42	0
Bulgaria	9.063	8.572	30.17	0
Canada	353.004	353.004	2456.18	0
Chile	114.05	114.05	313.85	0
China	407.923	407.923	708.19	0
Colombia	7.889	7.889	52.75	0
Czechia	259.4	186.957	986.57	0
Denmark	162.081	194.248	909.61	0
Egypt	4.073	4.073	11.59	0
Finland	44.189	56.741	268.87	0
France	522.572	483.228	3893.48	0
Germany	1365.102	1678.681	6245.64	0
Greece	1.762	1.968	6.17	0
China, Hong Kong Special Administrative Region	294.275	294.275	438.39	0
Hungary	64.207	73.458	316.13	0
India	1598.337	1598.337	2304.32	0
Indonesia	18.218	18.218	25.55	0
Ireland	129.904	170.471	541.56	0
Israel	93.253	93.253	216.72	0
Italy	861.102	1064.139	4048.93	0
Japan	383.249	383.249	808.81	0
Luxembourg	52.091	52.634	259.56	0
Malaysia	354.572	354.572	585.4	0
Mexico	326.512	326.512	891.98	0
Morocco	32.577	32.577	61.87	0
Netherlands	1017.581	1181.269	3740.44	0
New Zealand	103	103	705.52	0
Norway	64.944	110.544	517.43	0
Pakistan	9.993	9.993	29.26	0
Philippines	313.524	313.524	503.12	0
Poland	1108.365	1383.329	2612.27	0
Portugal	82.736	76.797	350.1	0
Romania	29.381	34.277	85.43	0
Russian Federation	115.57	115.57	499.9	0
Saudi Arabia	4.216	4.216	7.88	0
Serbia	59.24	59.24	155.41	0
Singapore	140.437	140.437	380.21	0
Slovakia	153.888	133.71	727.57	0
Republic of Korea	202.972	202.972	402.88	0
Spain	565.327	676.354	2747.54	0
Sweden	78.671	83.322	603.53	0
Switzerland	258.612	221.632	1542.71	0
Taiwan, Greater China	22.028	22.028	44.86	0
Thailand	124.405	124.405	289.64	0
Turkey	31.499	31.499	150.52	0
United Arab Emirates	59.763	59.763	119.41	0
United Kingdom of Great Britain and Northern Ireland	5976.056	5226.182	29864.49	0
United States of America	7656.407	7735.969	27905.17	0
Viet Nam	33.014	33.014	98.39	0

C7.6

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

By facility

By activity

C7.6b

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

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
AB Calgary (AB001)	66.571	66.571
AB Edmonton (AB003)	39.134	39.134
ACT Canberra (AUS049)	111.825	111.825
Aix En Provence (FRA006)	3.945	3.787
AL Birmingham (AL005)	5.703	5.7
Al Murjana Tower (SA001)	2.848	2.848
Al Zamil Building (SA002)	1.368	1.368
Amsterdam (NLD006)	152.659	177.722
Amsterdam (NLD015)	529.131	600.205
AN Chiaravalle (ITA036)	0.687	0.861
Andrassy Palace (HUN100)	4.305	4.893
AR Benton (AR007)	7.463	7.824
AR Fayetteville (AR001)	11.959	13.064
AR Little Rock (AR004)	3.804	3.798
AR Little Rock (AR008)	1.628	1.625
Auckland (NZ001)	48.314	48.314
Australia Brisbane (AUS042A)	20.489	20.489
Australia Brisbane (AUS042B)	11.6	11.6
Australia Springwood (AUS039)	34.595	34.595
Australia Sydney (AUS070)	12.986	12.986
Austria Vienna - Krugerstrasse (AUT003)	19.312	27.645
AZ Phoenix (AZ009)	75.392	75.355
AZ Phoenix (AZ010)	67.445	67.269
AZ Tucson (AZ006)	24.589	24.525
BA Acquaviva delle Fonti (ITA019)	2.833	3.546
Bagnolet (FRA012)	62.943	60.489
Balfron Tower (TH003)	123.424	132.243
Bangalore (IND044)	304.568	304.568
Bangkok, Phatumwan (THL002)	71.267	71.267
Banska Bystrica (SVK003)	14.656	12.394
Basel (SWZ011)	8.327	6.963
BC Vancouver (BC006)	29.817	29.817
BC Victoria (BC005)	0.984	0.984
Belgium - Cockerillkaai (BEL001)	39.213	38.203
Berlin Hausvogteiplatz 10, Building 2 (GER001)	39.076	45.279
Berlin No. 285 (GER020)	41.253	53.999
Bogota (COL001)	7.889	7.889
Bordeaux (FRA035)	19.381	19.041
Brasilia (BRA005)	1.146	1.146
Brazil Sao Paulo - Rua Samuel Morse (BRA010)	16.573	16.573
Brazil Sao Paulo (BRA013)	14.263	14.263
Brno (CZE009)	20.348	22.797
Brussels (BEL004)	130.089	128.374
Brussels Avenue de Arts (BEL007)	56.211	54.763
Brussels Kunstlaan (BEL005)	56.211	54.763
Bucharest (ROM003)	29.381	34.277
Budapest Eiffel Palace Office Building (HUN002)	59.901	68.564
Buenos Aires (ARG003)	35.16	35.16
Bulgaria Sofia (BUL003)	9.063	8.572
CA Burlingame (CA117)	13.309	13.303
CA Carlsbad (CA047)	19.809	19.796
CA El Segundo (CA005B)	51.409	51.385
CA El Segundo (CA070)	28.347	28.344
CA Glendale (CA093)	51.756	51.733
CA Goleta (CA110)	4.589	4.587
CA Irvine (CA122)	34.965	34.949
CA Los Angeles (CA002)	38.222	38.207
CA Los Angeles (CA079)	95.956	95.912
CA Los Angeles (CA114)	64.853	64.824
CA Los Angeles (CA119)	60.228	62.139
CA Newport Beach (CA030)	172.297	172.218
CA Newport Beach (CA101)	7.713	7.709
CA Oakland (CA099)	19.263	19.255
CA Oakland (CA118)	0.35	0.35
CA Ontario (CA080)	32.315	32.3
CA Orange (CA071)	22.399	22.389
CA Oxnard (CA102)	8.894	8.89
CA Palo Alto (CA095)	19.747	19.738
CA Roseville (CA041)	15.95	15.942

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
CA Sacramento (CA081)	59.311	59.274
CA San Diego (CA045)	12.907	12.901
CA San Diego (CA112)	68.898	68.856
CA San Francisco (CA111)	75.728	75.694
CA San Francisco (CA116)	27.986	27.973
CA San Jose (CA053)	34.809	34.802
CA Santa Fe Springs (CA055)	3.878	3.876
CA Stockton (CA096)	5.924	5.921
CA Temecula (CA092)	1.554	1.553
CA Walnut Creek (CA061)	21.062	21.053
CA Woodland Hills (CA100)	21.169	21.159
Calderara di Reno(BO) (ITA020)	29.989	37.544
Canterbury District Christchurch (NZ007)	12.32	12.32
Casablanca (MAR001)	32.577	32.577
CBRE Asia Pacific Business Services (MAL006)	128.947	128.947
Chennai (IND018)	71.943	71.943
Chennai (IND026)	71.943	71.943
China Beijing, Chaoyang District (CHN001)	136.44	136.44
China Chongqing (CHN029)	1.971	1.971
China Hangzhou (CHN045)	2.608	2.608
China Pudong District (CHN041)	0.621	0.621
China Shandong (CHN036)	3.923	3.923
China Shanghai (CHN044)	0.621	0.621
China Shanghai (CHN049)	11.191	11.191
China Xi'an (CHN051)	10.872	10.872
China Zhengzhou (CHN046)	0.46	0.46
China Zhengzhou (CHN046A)	0.46	0.46
Chiyoda ku, Tokyo (JPN020)	203.761	203.761
Chodov, Prague (CZE005)	47.211	53.352
City North (TH004)	599.246	601.498
CO Boulder (CO025)	4.29	4.295
CO Colorado Springs (CO009A)	15.684	15.702
CO Denver (CO019)	41.065	41.072
CO Denver (CO023)	26.232	26.263
CO Fort Collins (CO024)	21.879	21.905
CO Greenwood Village (CO022)	23.089	23.116
CT Hartford (CT006)	25.05	24.91
CT New Haven (CT005)	3.569	3.549
CT Norwalk (CT004)	7.481	7.439
CT Stamford (CT003)	28.672	28.512
DC Washington (DC001)	60.723	60.721
DC Washington (DC003)	37.491	37.381
DC Washington (DC006)	4.603	4.589
DE Wilmington (DE001)	0.845	0.843
Den Haag (NLD003)	26.791	32.257
Denmark Aarhus C (DNK001)	11.168	15.246
Denmark Copanhattan (DNK002)	148.932	173.643
Denmark Copenhagen (DNK006)	1.98	5.357
Deruta (PG) (ITA031)	4.813	6.025
Devbhumi Realtors Pvt. Ltd. (IND039)	117.428	117.428
Diegem (BEL008)	91.168	88.819
Dubai (ARE001)	45.226	45.226
Dubai (ARE005)	1.136	1.136
Dubai (ARE006)	1.051	1.051
Dubai (ARE011)	2.9	2.9
Dusseldorf KO Steinstrasse (GER019)	14.347	17.642
Egypt New Cairo (EGY003)	4.073	4.073
England Almondsbury Bristol (GBR087)	6.61	7.906
England Birmingham (GBR051)	46.907	26.08
England Birmingham (GBR051A)	42.719	25.573
England Birmingham (GBR086)	11.768	14.077
England Bristol (GBR084)	56.33	67.38
England Liverpool (GBR035)	17.869	21.374
England London (GBR013)	669.332	64.331
England London (GBR031)	201.092	105.36
England London (GBR039)	72.529	29.622
England Manchester (GBR112)	78.939	94.424
England Newbury (GBR099)	26.294	31.452
England Southampton (GBR044)	30.28	36.22
England St. Helier, Jersey (GBR002)	3.719	5.536

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Essen (GER026)	137.345	168.884
Finland Helsinki (FIN007)	8.371	11.078
Finland Helsinki (FIN011)	30.905	39.16
Finland Jyvaskyla (FIN005)	1.508	1.996
Finland Turku (FIN010)	3.404	4.505
FL Boca Raton (FL021)	31.336	31.349
FL Fort Lauderdale (FL035)	46.039	46.065
FL Jacksonville (FL002)	29.047	29.06
FL Jacksonville (FL034)	12.592	12.598
FL Jupiter (FL025)	4.105	4.107
FL Miami (FL005A)	75.884	75.92
FL Miami (FL032)	14.185	14.191
FL Miramar Beach (FL028)	3.069	3.067
FL Orlando (FL024)	27.656	27.663
FL Orlando (FL033)	13.29	13.296
FL Tampa (FL022)	43.36	43.374
FL West Palm Beach (FL031)	4.161	4.163
Foshan (CHN034)	2.608	2.608
Frankfurt am Main Tower 185 (GER014)	62.044	76.505
Fukuoka (JPN013)	7.054	7.054
GA Atlanta (GA008)	122.094	122.046
GA Atlanta (GA009)	20.516	20.506
GA Johns Creek (GA004)	5.851	5.848
GA Norcross (GA010)	15.596	15.589
Gallions Quarter Phase 1 (TH005)	375.497	379.494
Gdansk (POL007)	11.184	12.231
Geneva (SWZ010)	31.278	28.819
Geneva (SWZ014)	21.387	17.885
Germany Berlin (GER001A)	1.336	1.643
Germany Berlin (GER016)	31.752	38.973
Germany Berlin (GER033)	60.789	72.472
Germany Hamburg (GER015)	94.751	113.187
Germany Munich (GER023)	17.232	21.189
Germany Neuenburg (GER031)	4.551	5.596
Gothenburg L (SWE004)	1.225	1.291
Greece Athens (GRC001)	1.762	1.968
Greenford (TH010)	256.925	263.887
Guangdong (CHN011)	93.367	93.367
Guangzhou (CHN010)	30.579	30.579
Gujarat Ahmedabad (IND041)	18.632	18.632
Haryana Gurgaon (IND034)	18.336	18.336
Haryana Gurugram (IND034B)	104.243	104.243
Haryana Gurugram (IND042)	207.6	207.6
Head office (TH001)	63.674	76.204
Hesse Frankfurt (GER035)	82.411	101.335
HI Honolulu (HI001)	37.263	37.039
Hiroshima (JPN011)	11.11	11.11
Hong Kong (HKG001)	233.31	233.31
Hong Kong Central (HKG006)	21.912	21.912
IA Iowa City (IA002)	25.369	26.045
IA West Des Moines (IA001)	6.497	6.67
IL Chicago (IL013)	145.489	144.936
IL Chicago (IL017)	31.769	31.625
IL Oak Brook (IL007)	84.485	84.215
IN Indianapolis (IN004)	57.108	56.875
IN Indianapolis (IN005A)	4.197	4.177
India Haryana (IND034A)	99.55	99.55
Indonesia South Jakarta (IDN002)	18.218	18.218
Ireland Belfast (GBR050)	37.03	44.294
Ireland Cork (IRL003)	5.116	6.713
Ireland Dublin (IRL001)	124.788	163.758
Ishikawa (JPN019)	4.564	4.564
Israel Tel Aviv (ISR001)	37.908	37.908
Israel Tel Aviv (ISR002)	10.808	10.808
Israel Tel Aviv (ISR003)	44.536	44.536
Istanbul (TUR006)	31.499	31.499
Italy (ITA005)	123.288	154.348
Italy (ITA030)	66.642	83.431
Italy Calderara di Reno (ITA021)	1.287	1.611
Italy Campi Bisenzio (FI) (ITA026)	0.515	0.645
Italy Campi Bisenzio FI (ITA022)	69.9	87.51

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Italy Città Sant'Angelo (ITA033)	51.759	64.798
Italy Fontanafredda (ITA035)	1.8	2.253
Italy Milano (ITA039)	39.455	49.395
Italy Roma (ITA027)	32.654	40.881
Italy Trieste (TS) (ITA032)	2.905	3.636
Italy Udine (ITA034)	1.326	1.661
Japan Chiyoda, Tokyo (JPN027)	9.416	9.416
Japan Sapporo (JPN014)	11.282	11.282
Jinjiang District, Chengudu City (CHN038)	22.504	22.504
K Raheja Corporate Services Private Limited (IND040)	188.903	188.903
Kanagawa Prefecture Yokohama (JPN004)	6.25	6.25
Karnataka Bangalore (IND031)	103.119	103.119
Karnataka Bangalore (IND032)	98.831	98.831
Koakeaw Phuket (THL001)	40.103	40.103
Köln (GER034)	20.407	25.311
Kosice Letna (SVK004)	18.651	15.772
Kowloon Harbour City (HKG004)	39.052	39.052
Kuala Lumpur (MAL004)	89.575	89.575
Kuala Lumpur (MAL005)	73.502	73.502
KY Louisville (KY001)	26.958	26.845
KY Louisville (KY002)	3.223	3.21
KY Louisville (KY003)	18.664	18.586
LA Baton Rouge (LA006)	0.887	0.886
LA New Orleans (LA003)	6.88	6.869
Lausanne (SWZ002)	7.728	6.462
Levallois Perret (FRA031)	41.562	39.942
Liaoning Dalian, Zhongshan District (CHN037)	0.981	0.981
Lille (FRA020)	13.196	12.755
Lisbon No. 17, 17 (A) (PRT004)	62.677	58.727
London Marylebone (GBR023)	656.144	392.791
London Millennium Harbour (GBR037)	24.336	29.109
Luxembourg – Luxembourg (LUX003A)	31.638	31.711
Luxembourg (LUX100)	20.453	20.923
Lyon Cedex (FRA021)	34.556	33.577
MA Boston (MA001)	92.283	91.768
MA Boston (MA001A)	21.592	21.471
MA Boston (MA007)	25.321	26.29
MA Boston (MA009)	19.434	19.326
MA Boston (MA011)	75.535	75.114
MA Boston (MA012)	0.816	0.812
MA Boston (MA013)	4.945	4.917
MA Burlington (MA010)	3.04	3.023
MA Cambridge (MA016A)	0.286	0.284
MA Cambridge Riverfront Office Park (MA016)	1.986	1.975
Maharashtra Pune (IND038)	102.416	102.416
Marbella (ESP002)	16.207	18.88
Marseille (FRA025)	11.555	11.038
Marseille (FRA034)	12.091	11.773
MD Annapolis (MD010)	12.623	12.586
MD Baltimore (MD006)	27.38	27.32
MD Bethesda (MD005)	20.803	20.736
MD Landover (MD009)	21.801	21.737
Mexico Miguel Hidalgo Ciudad de MX (MEX007)	53.58	53.58
Mexico San Pedro Garza Garcia (MEX006)	32.47	32.47
Mexico Santiago de Querétaro (MEX013)	3.784	3.784
Mexico Zapopan (MEX012)	33.116	33.116
MI Grand Rapids (MI011)	4.557	4.541
MI Southfield (MI001)	110.359	109.91
Miguel Hidalgo, Ciudad de Mexico (MEX008)	203.561	203.561
Milan (ITA018)	195.1	230.352
Minas Gerais Belo Horizonte (BRA011)	0.225	0.225
Miyagi Sendai (JPN015)	8.803	8.803
MN Bloomington (MN001)	366.419	376.193
MN Minneapolis (MN009)	115.151	118.223
MO Clayton (MO005)	79.725	79.999
MO Kansas City (MO006)	37.457	39.267
Montesilvano (PE) (ITA024)	70.344	88.066
Montreuil (FRA003)	23.324	22.211
Montrouge (FRA027)	23.268	22.571
Mooloolaba (AUS051)	28.746	28.746
Moscow 1 (RUS003)	115.57	115.57

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
MS Flowood (MS001A)	6.018	6.008
Munich (GER004)	103.138	134.246
Nagoya shi (JPN009)	15.086	15.086
NB Fredericton (NB005)	2.652	2.652
NB Moncton (NB003)	0.617	0.617
NC Charlotte (NC001)	24.152	24.145
NC Charlotte (NC006)	13.078	13.048
NC Raleigh (NC007)	2.675	2.669
NE Omaha (NE001)	25.345	26.021
Netherlands Amsterdam (NLD016)	28.069	31.75
Netherlands Eindhoven (NLD012)	7.748	8.764
Netherlands Schiphol (NLD007)	147.867	188.078
Netherlands Schiphol (NLD011)	85.662	96.894
New Delhi (IND008)	47.006	47.006
New Zealand Auckland (NZ011)	13.59	13.59
New Zealand, Wellington District Wellington (NZ003)	13.475	13.475
Nice (FRA033)	6.094	5.796
NJ East Brunswick (NJ015)	64.096	63.838
NJ Florham Park (NJ001)	10.695	10.663
NJ Mount Laurel (NJ012)	11.125	11.092
NJ Saddle Brook (NJ006)	98.651	98.298
NL St.John's (ON026)	0.829	0.829
NM Albuquerque (NM001)	35.426	35.334
Norway Osla (NOR002)	56.456	97.141
Norway, Opegård (NOR004)	8.488	13.403
NS Halifax (NS002)	14.583	14.583
NSW Botany (AUS058)	27.217	27.217
NSW Moorebank (AUS055)	5.096	5.096
NSW North Sydney (AUS009)	123.14	123.14
NSW Parramatta - The Barrington Ground Level (AUS061)	37.615	37.615
NSW Parramatta - The Barrington Level 5 (AUS012)	49.664	49.664
NSW Sydney (AUS048)	379.331	379.331
NV Las Vegas (NV001)	33.022	32.936
NV Las Vegas (NV001A)	20.705	20.651
NV Reno (NV003)	10.83	10.875
NY Long Island City (NY012)	3.228	3.224
NY Melville (NY015)	44.527	44.315
NY New York (NY005A)	276.834	276.474
NY New York (NY005B)	0.218	0.218
NY New York (NY005C)	26.83	26.795
NY New York (NY005D)	10.172	10.159
NY New York (NY008)	22.645	22.616
NY New York (NY011)	52.103	52.036
NY New York (NY014)	22.019	22.005
NY New York (NY023)	40.169	40.117
NY New York (NY025)	44.789	44.719
NY New York (NY026)	52.359	52.291
NY White Plains (NY016)	21.773	21.745
NY White Plains (NY017)	17.488	17.466
NZ013 New Zealand (NZ013)	9.317	9.317
Ocean Financial Centre (SNG100)	15.059	15.059
OH Cincinnati (OH002A)	62.756	62.462
OH Cleveland (OH011)	97.502	96.976
OH Cleveland (OH015)	16.601	16.525
OH Columbus (OH014)	45.269	45.1
OH Columbus (OH017)	172.588	171.804
OH Fairlawn (OH013)	6.6	6.582
OH Twinsburg (OH016)	11.327	11.276
OK Oklahoma City (OK003)	47.312	51.684
OK Tulsa (OK002)	78.242	85.473
OK Tulsa (OK005)	9.492	10.369
ON Kitchener (ON030)	7.679	7.679
ON London (ON020)	6.721	6.721
ON Mississauga (ON023)	18.968	18.968
ON Oakville (ON029)	3.346	3.346
ON Ottawa (ON015)	11.618	11.618
ON Toronto (ON008)	44.137	44.137
ON Toronto (ON022)	45.414	45.414
ON Toronto (ON025)	21.474	21.474
ON Toronto (ON031)	10.663	10.663

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
ON Windsor (ON012)	2.049	2.049
One IFC (KOR100)	24.405	24.405
Ontario Mississauga (ON032)	5.252	5.252
OR Lake Oswego (OR006)	11.171	11.244
OR Portland (OR004)	44.79	45.083
Osaka Kita (JPN026)	48.154	48.154
PA Conshohocken 625 W (PA015)	33.593	33.494
PA Harrisburg (PA013)	7.701	7.678
PA Philadelphia (PA003)	36.862	36.753
PA Philadelphia (PA017)	22.732	22.665
PA Philadelphia (PA020)	5.297	5.282
PA Pittsburgh (PA005)	78.331	77.975
PA Radnor (PA014)	55.594	55.43
PA Radnor (PA019)	51.849	51.76
PA Upper Macungie Township, Allentown (PA001)	5.605	5.588
PA West Conshohocken (PA002)	13	12.962
Padova (ITA029)	143.281	179.378
Pakistan Clifton Karachi (PAK002)	5.452	5.452
Pakistan Karachi (PAK001)	4.54	4.54
Parana Curitiba (BRA004)	3.314	3.314
Parana Curitiba (BRA012)	12.135	12.135
Paris (FRA018)	111.662	107.309
Paris (FRA024)	4.132	3.971
Paris (FRA026)	71.789	49.721
Paris GI (FRA024A)	16.594	15.947
Parkside Nine Elms (TH006)	1015.142	1019.437
Petaling Jaya B (MAL002)	56.812	56.812
Phatumwan District, Bangkok (THL004)	13.034	13.034
Philippines Makati City (PHL002)	313.524	313.524
Poland Katowice (POL019)	2.008	2.479
Poland Krakow (POL017)	5.042	6.404
Poland Masovia (POL018)	0.787	0.962
Poland Warsaw (POL005)	35.42	40.358
Poland Warsaw (POL016)	789.067	997.61
Poland Warsaw (POL012)	25.025	30.89
Poland Wroclaw (POL015)	4.664	5.403
Portugal Porto (PRT006)	4.304	4.091
Poznan (POL011)	2.011	2.061
Praca Duque (PRT100)	15.754	13.978
Prague (CZE001)	173.108	99.66
Prague (CZE010)	18.731	11.147
QC Montreal (QC004)	10.693	10.693
QLD Brisbane (AUS042)	291.95	291.95
QLD Surfers Paradise (AUS037)	30.186	30.186
Quebec Saint (QC005)	3.311	3.311
RI Providence (RI001)	6.805	6.767
RI Providence (RI002)	0.935	0.93
Rio de Janeiro (BRA006)	13.364	13.364
Rome (ITA015)	11.453	14.339
Rotterdam (NLD005A)	23.945	28.822
Saint Denis (FRA004)	26.903	25.219
Santiago (CHL003)	114.05	114.05
Sao Paulo (BRA003)	62.671	62.671
Sao Paulo Sao Paulo - Rua Alexandre Dumas (BRA007)	42.059	42.059
Sao Paulo Sao Paulo - Rua Samuel Morse (BRA008)	5.05	5.05
SC Charleston (SC005)	20.743	20.696
SC Columbia (SC004)	22.102	22.052
SC Greenville (SC003)	2.599	2.594
Scotland Aberdeen (GBR047)	22.678	27.127
Scotland Edinburgh (GBR009)	26.276	30.189
Scotland Glasgow (GBR011)	45.978	27.524
Scotland Glasgow (GBR066)	29.778	20.057
SD Sioux Falls (SD001)	0.543	0.557
Selangor Petaling Jaya (MAL001)	5.734	5.734
Seoul Jongro (KOR004)	178.567	178.567
Serbia Belgrad (SRB001)	59.24	59.24
Seville (ESP026)	12.124	13.417
Shanghai (CHN043)	60.334	60.334
Singapore Paya Lebar Quarter (SNG009)	89.206	89.206
Singapore Singapore (SNG003)	36.17	36.17
SK Regina (SK002)	0.787	0.787

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
SK Saskatoon (SK001)	5.694	5.694
Slovakia Bratislava (SVK008)	64.388	58.027
Slovakia Bratislava (SVK009)	56.191	47.516
Solna (SWE011)	15.825	16.32
Sophia Antipolis (FRA100)	6.933	6.652
South Australia Adelaide (AUS040)	49.574	49.574
South Kilburn (TH007)	223.327	237.61
Spain Barcelona (ESP022)	101.094	115.839
Spain Bilbao, Vizcaya (ESP016)	7.922	9.229
Spain Madrid (ESP011)	305.918	373.552
Spain Madrid (ESP027)	51.231	62.771
Spain Malaga (ESP028)	11.776	13.455
Spain Palma de Mallorca (ESP018)	9.71	11.366
Stone Studios (TH008)	198.301	201.289
Stratford Sales Office (TH002)	5.869	7.579
Stuttgart (GER022)	39.969	46.563
Sweden Malmo (SWE010)	0.445	0.469
Sweden Stockholm (SWE003)	9.459	10.734
Sweden Stockholm (SWE006)	51.715	54.505
Switzerland Basel (SWZ009)	31.865	26.646
Switzerland Basel (SWZ017)	123.063	102.91
Taipei City (TWN002)	22.028	22.028
Tianjin (CHN052)	9.616	9.616
TN Memphis (TN006)	72.789	72.718
TN Memphis (TN012)	16.185	16.17
TN Nashville (TN011)	53.935	53.722
Tokyo, Minato ku (JPN025)	57.763	57.763
Toulouse (FRA030)	21.327	20.668
Turin (ITA004)	11.061	13.848
TX Austin (TX039)	60.511	62.539
TX Dallas (TX024)	11.01	11.424
TX Dallas (TX026)	595.74	623.903
TX Dallas (TX026A)	42.419	44.013
TX Dallas (TX028)	129.668	130.229
TX Dallas (TX035)	85.511	88.725
TX Dallas (TX045)	99.383	103.118
TX El Paso (TX027)	14.858	14.819
TX Fort Worth (TX036)	24.817	25.749
TX Houston (TX013)	1.625	1.686
TX Houston (TX016)	134.407	137.825
TX Houston (TX038)	94.633	98.189
TX Richardson (TX041)	97.995	101.677
TX San Antonio (TX029)	25.563	26.524
TX San Antonio (TX042)	11.323	11.749
TX San Antonio (TX048)	4.294	4.455
TX-Dallas (Hana001)	62.151	64.709
United Arab Emirates Abu Dhabi (ARE008)	8.091	8.091
United Arab Emirates Abu Dhabi (ARE009)	1.358	1.358
United Kingdom Leeds (GBR115)	30.432	36.402
United Kingdom London (GBR113)	701.555	883.896
United Tower (BHR002)	19.848	19.848
UT Salt Lake City (UT002)	35.629	35.862
UT Salt Lake City (UT007)	2.271	2.286
Utrecht (NLD014)	8.361	8.467
VA McLean (VA005)	76.05	75.877
VA Richmond (VA006)	5.919	5.906
VA Richmond (VA007)	15.851	15.815
VA Richmond (VA009)	11.432	11.407
Valencia (ESP019)	42.401	50.297
VIC Melbourne (AUS057)	293.324	293.324
VIC Melbourne (AUS060)	10.707	10.707
Victoria Mulgrave (AUS044)	32.01	32.01
Vienna - Rennweg (AUT004)	10.822	15.492
Vienna - Tegetthoffstrasse (AUT001)	72.663	104.018
Vietnam Hanoi City (VNM001)	8.533	8.533
Vietnam Ho Chi Minh City, Ben Thanh Ward (VNM005)	24.481	24.481
WA Bellevue (WA025)	22.811	22.96
WA Bothell (WA026)	0.249	0.251
WA Kent (WA006)	15.055	15.153
WA Seattle (WA004)	124.228	125.001

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
WA Seattle (WA015)	4.781	4.812
WA Spokane (WA022)	3.006	3.025
WA Spokane (WA028)	1.557	1.568
WA Tacoma (WA014)	11.266	11.34
Walthamstow Equipment Works (TH009)	276.041	284.201
Warsaw (POL001)	125.968	152.619
Weinheim (GER030)	614.694	755.848
Warsaw (POL014)	107.184	132.308
West Bengal Kolkata (IND017)	21.867	21.867
West Bengal Kolkata (IND037)	21.945	21.945
Western Australia Perth (AUS065)	97.846	97.846
Westgate, Auckland (NZ012)	5.982	5.982
WI Brookfield (WI005)	87.211	86.814
WI Madison (WI001)	8.773	8.728
WI Milwaukee (WI004)	15.435	15.411
WI Milwaukee (WI006)	58.174	57.873
Wuhan, Wuchang District (CHN042)	18.759	18.759
WV Charleston (WV001)	5.548	5.523
ZAC du Pre Gauchot (FRA032)	11.309	10.751
Zaragoza (ESP020)	6.938	7.544
Zurich (SWZ001)	34.628	31.663
Zurich (SWZ001A)	0.333	0.279
Zwolle (NLD013)	7.343	8.306

C7.6c

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

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Purchased and Used Electricity	15730.62	16138.048
Purchased Heat and Steam	12289.857	12289.857

C7.9

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

Increased

C7.9a

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

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	1215	Decreased	2	CBRE accounted for renewable energy in 2019, which resulted in a decrease in emissions of 2% due to the use of zero emissions renewable energy at offices in Europe.
Other emissions reduction activities	8834	Decreased	13	CBRE reduced emissions 13% due to our Workplace360 energy efficiency and emissions reduction initiatives as reported in C4.3.
Divestment		<Not Applicable>		
Acquisitions	3525	Increased	5	CBRE acquisitions in 2019 increased our portfolio square footage and therefore our energy use and resulting emissions 5%.
Mergers		<Not Applicable>		
Change in output	12574	Increased	18	CBRE had an increase in both its vehicle fleet and mileage driven in 2019 due to an increase in our managed portfolio, which increased emissions 18%.
Change in methodology	10232	Increased	15	CBRE updated its inventory methodology in 2019 to collect more accurate purchased heating data, which increased our emissions 13%.
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 undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	Yes
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

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

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)	0	238445.91	238445.91
Consumption of purchased or acquired electricity	<Not Applicable>	7376.65	32725.37	40102.03
Consumption of purchased or acquired heat	<Not Applicable>	0	67382.65	67382.65
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>	0	<Not Applicable>	0
Total energy consumption	<Not Applicable>	7376.65	338553.94	345930.6

C8.2b

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

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

C8.2c

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

Fuels (excluding feedstocks)

Diesel

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

87338.8

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

0.25703

Unit

metric tons CO2e per MWh

Emissions factor source

1. 2019 UK Government GHG Conversion Factors for Company Reporting 2. National Inventory Report 1990-2016: Greenhouse Gas Sources and Sinks in Canada. 3. Sustainable Energy Authority Ireland 4. World Resources Institute (2015). GHG Protocol tool for mobile combustion. Version 2.6.

Comment

Weighted average emission factor calculated

Fuels (excluding feedstocks)

Liquefied Petroleum Gas (LPG)

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

0.29

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

1.539

Unit

kg CO2e per liter

Emissions factor source

1. National Inventory Report 1990-2016: Greenhouse Gas Sources and Sinks in Canada.

Comment**Fuels (excluding feedstocks)**

Motor Gasoline

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

151106.81

MWh fuel consumed for self-generation of electricity

<Not Applicable>

MWh fuel consumed for self-generation of heat

<Not Applicable>

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

0.24037

Unit

metric tons CO2e per MWh

Emissions factor source

1. 2019 UK Government GHG Conversion Factors for Company Reporting 2. EPA Center for Climate Leadership. Emission Factors for Greenhouse Inventories 3. National Inventory Report 1990-2016: Greenhouse Gas Sources and Sinks in Canada. 4. World Resources Institute (2015). GHG Protocol tool for mobile combustion. Version 2.6.

Comment

Weighted average emission factor calculated

C8.2d

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

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity				
Heat	1408.24	1408.24	0	0
Steam				
Cooling				

C8.2e

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

Sourcing method

Unbundled energy attribute certificates, Guarantees of Origin

Low-carbon technology type

Wind

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

United Kingdom of Great Britain and Northern Ireland

MWh consumed accounted for at a zero emission factor

4190.7

Comment

Sourcing method

Green electricity products (e.g. green tariffs) from an energy supplier, supported by energy attribute certificates

Low-carbon technology type

Low-carbon energy mix

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

Czechia

MWh consumed accounted for at a zero emission factor

159.95

Comment

100% renewable mix

C9. Additional metrics

C9.1

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

Description

Energy usage

Metric value

3.46

Metric numerator

MWh

Metric denominator (intensity metric only)

FTE

% change from previous year

Direction of change

<Not Applicable>

Please explain

This is the first year CBRE has calculated energy intensity metrics

C10. Verification

C10.1

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

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

C10.1a

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

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/ section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1b

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

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/ section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 2 approach

Scope 2 market-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/ section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1c

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

Scope 3 category

Scope 3: Purchased goods and services

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

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

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

95

Scope 3 category

Scope 3: Employee commuting

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Business travel

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

CBRE 2019 GHG Verification Opinion.pdf

Page/section reference

all

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.2

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

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	Energy consumption	The assurance process was conducted in line with the requirements of AccountAbility's AA1000 Assurance Standard (AA1000AS, 2008) with 2018 Addendum Type 2 assurance.	As part of our Corporate Responsibility Report assurance, we have GRI indicator 302-1 "energy consumption within the organization" externally assured

CBRE Assurance Statement 2019_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?

Yes

C11.2a

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Credit origination or credit purchase

Credit purchase

Project type

N2O

Project identification

Green-e Climate N2O abatement carbon offset, Project Certification from Climate Action Reserve. Purchased as part of LEED V4 CI certification. for two projects in the United States.

Verified to which standard

CAR (The Climate Action Reserve)

Number of credits (metric tonnes CO2e)

8715.8

Number of credits (metric tonnes CO2e): Risk adjusted volume

Credits cancelled

Please select

Purpose, e.g. compliance

Voluntary Offsetting

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

Education/information sharing

Details of engagement

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

% of customers by number

24

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

Portfolio coverage (total or outstanding)

<Not Applicable>

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

Our Energy & Sustainability Services team includes more than 250 energy and sustainability experts and experienced professionals within our Advisory and GWS business segments. Services provided include data management, smart buildings systems integration, energy consulting, energy procurement solutions, certification services and sustainability consulting. In 2019, revenue from energy and sustainability services totaled more than \$127 million across our operations globally. Globally, 6,805 buildings under management, totaling 1.645 billion sq. ft., were provided with energy and sustainability services in 2019. The equates to approximately 24% of our 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. In 2019, our team completed a total of 150 certification projects totaling more than 32 million sq. ft. This included certifications such as LEED, WELL, Fitwel, Green Star Performance and BREEAM. Since our GWS Americas certification team was formed in 2009, it has completed 1,131 certifications totaling more than 225 million sq. ft.

Type of engagement

Education/information sharing

Details of engagement

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

% of customers by number

4.6

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

Portfolio coverage (total or outstanding)

<Not Applicable>

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

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 2019, CBRE registered and benchmarked 5,623 buildings, representing more than 315 million sq. ft. (or 4.6% of our floor area under management), in the ENERGY STAR program. CBRE's 148 labeled buildings under management represent 13% of the total CBRE portfolio. We manage another 253 properties with a score of 75 or above that are either currently in the ENERGY STAR application process or are eligible to apply. Twenty-three CBRE-managed properties in the U.S. achieved a 10% or greater year-over-year increase in their ENERGY STAR score and achieved a score of 75 or higher, received a formal award and acknowledgment from our global president of Property Management. These buildings together resulted in a total greenhouse gas emissions reduction of 4,679 metric tons of CO2e, equivalent. CBRE's 2019 ENERGY STAR labeled sites saw a 17% decrease in weather normalized site energy use and a 16% decrease in greenhouse gas emissions in 2019 compared to 2018, even with a 5% increase in square footage. For those sites with 24 consecutive months of data through 2019, the average ENERGY STAR score increased 3%, from 64 to 66.

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

Building Owners and Managers Association (BOMA)

Is your position on climate change consistent with theirs?

Mixed

Please explain the trade association's position

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

US Green Building Council (USGBC)

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

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

NAIOP

Is your position on climate change consistent with theirs?

Mixed

Please explain the trade association's position

The following information is published on the NAIOP website in their Energy Efficiency and Environment viewpoint: "--Local economic conditions, tenant preferences and project development costs determine which energy efficiency measures can realistically be absorbed in a given market. Arbitrary nationwide energy mandates that ignore local market conditions would create disincentives to new development where the costs cannot be absorbed. --NAIOP supports legislation that takes a sensible approach to incentivizing energy efficiency without imposing new mandates. Federal legislation that encourages states to update energy efficiency codes must include provisions for realistic payback schedules and requirements that the provisions be technologically and economically feasible. --Portfolio Manager, part of EPA's Energy Star program, is a voluntary program that enables owners to track and monitor a building's total energy usage. Eliminating the program would cause confusion and compliance challenges in states, cities and municipalities that require building owners to use Portfolio Manager to comply with local energy efficiency ordinances. Congress should therefore ensure continued funding of this program." NAIOP promotes benchmarking on a voluntary basis through EPA's ENERGY STAR Portfolio Manager but does not generally support regulation. CBRE generally supports regulatory requirements for building energy disclosure.

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

In voluntary sustainability report

Status

Complete

Attach the document

CBRE_2019_CR_Report.pdf

Page/Section reference

Environmental sustainability section pages 51-60

Content elements

Strategy

Emissions figures

Emission targets

Comment

C15. Signoff

C-FI

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

C15.1

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

	Job title	Corresponding job category
Row 1	Global Chief Operating Officer	Chief Operating Officer (COO)

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	23894091000

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 2020-2021 CDP Action Exchange initiative?

No

SC3.2

(SC3.2) Is your company a participating supplier in CDP's 2019-2020 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

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

Please confirm below

I have read and accept the applicable Terms