



Data methodology and assurance

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Scope and boundaries

Social and environmental metrics are tracked in alignment with our fiscal year from December 1 to November 30. Metrics are collected for all offices in which we have operational control and reported when data is readily available, can be confirmed or accurately estimated. Environmental impacts are estimated using data representative of at least 75 percent of colleagues, office area or operations where we have operational control.

IHS Markit reports greenhouse gas emissions as follows:

- Scope 1 GHG emissions from wholly owned office spaces
- Scope 2 GHG emissions from wholly owned or partially owned global offices
- Scope 3 GHG emissions from business air travel and external data centers

Data collection and verification

Data is collected each fiscal year and audited internally. We use an internal environmental metrics database where we track more than 50 key performance indicators (KPIs) in alignment with and based on Global Reporting Initiative (GRI) reporting guidelines. We are now in our ninth year of tracking environmental and social metrics with improvements every year in the availability and access to information.

Our data is managed centrally on our secure intranet, with inputs from global “sustainability champions” who are leading efforts at local offices. This environmental and social data is entered and tracked internally through a combination of excel sheets and an internal database. The data is then aggregated up to the regional or corporate level for quality control, audit and evaluation.

Additional companywide data, such as office area and headcount, is provided by the responsible IHS Markit department using our secure intranet platforms. The ability to input and edit data is password protected by the responsible IHS Markit department (or employee) to ensure data integrity and is only accessible through the IHS Markit network and intranet until formatted and ready to publish externally. To ensure data reliability, only administrative owners make final approvals and changes.

Our internal environmental data verification is led by two full-time data analysts, including a lead analyst who has an extensive background in environmental chemistry and data analysis. This team is responsible for quality control and assurance across key areas such as energy usage, landfill trash generated and corporate level environmental commitments. Our data quality control process includes procedures for detecting outliers, checking for completeness, and ensuring accuracy and consistency.

Detail - scope, boundaries and methodology

Metric	Units of measure	Sources of data	Calculation methods and assumptions	
Scope 1 emissions	Therms or liters, GHG emissions as metric tons CO2-e	Property manager Meter readings Utility bills (from vendor)	If not using direct meter readings, reported usage is pro-rated using building meter data Historical data for the location may be used to estimate consumption Data uncertainty: 10-15%	Emission factors: multiple sources including the Greenhouse Gas Protocol (WRI) and The Climate Registry for our emission factors Consolidation approach: operational control (wholly owned office spaces only)
Scope 2 emissions: office electricity	MWh, GHG emissions as metric tons CO2-e	Property manager Meter readings Utility bills (from vendor)	If not using direct meter readings, reported usage is pro-rated using building meter data Cost per kWh (for specific region) or historical data for the location may be used to estimate electricity usage When no data was not available, we used energy unit intensity (EUI) figures for office buildings with greenhouse gas (GHG) emissions factors for electricity. The EUI figures come from the Commercial Buildings Energy Consumption Survey (CBECS) Data uncertainty: 10-15%	Emission factors: multiple sources including the Greenhouse Gas Protocol (WRI), The Climate Registry, and EPA US eGrid Consolidation approach: operational control (wholly owned office spaces and leased offices spaces) Allocation method: Location-based
Scope 3 emissions: external data centers	MWh, GHG emissions as metric tons CO2-e	IHS Markit IT department	Assumptions: Electricity usage calculated using power consumption; Servers are running at maximum capacity, 24 hours a day, 365 days per year External data centers only Data uncertainty: 10-15%	Emission factors: multiple sources including the Greenhouse Gas Protocol (WRI), The Climate Registry, and EPA US eGrid
Scope 3 emissions: air travel	Miles, GHG emissions as metric tons CO2-e	IHS Markit Travel department and our corporate travel vendor	Mileage, type of haul (long or short), type of air travel (economy, economy premium, business, or first class) are used to calculate GHG emissions Data uncertainty: 0-5%	Emission factors: DEFRA/DECC's GHG conversion factors (July 2011)
Landfill waste and recycling	Weight (pounds)	Property manager Utility bills (from vendors) Sustainability site champion	Direct weight, pro-rated weight from building usage or estimated weight from volume to weight conversions using random sampling throughout the year Data uncertainty: 15-25%	

Metric	Units of measure	Sources of data	Calculation methods and assumptions	
Electronic waste (e-waste)	Weight (pounds)	IHS Markit IT department and our e-waste vendors	Weight or estimated weight Data uncertainty: 10-20%	
Water usage	Cubic meters	Meter readings Utility bills (from vendor)	Total corporate contribution is estimated from data at our large, wholly owned Englewood office Data uncertainty:10-20%	Potable water usage at our offices represents our most significant source of water consumption
Paper usage	Weight (Pounds), %Post-Consumer Recycled, %Certified	Sustainability site champion or Corporate sustainability department	Weight or estimated weight based on paper purchased or count of paper printed If data is not available for the full fiscal year, the weight of paper usage is estimated using random sampling throughout the year Data uncertainty:0-10%	
Philanthropic Monetary donations	US dollar (US\$)	Sustainability site champion or Corporate sustainability department	Currency converted to USD using 12-month average of monthly balance sheet exchange rates	Includes corporate donations and office fundraisers
Other community donations	hours, count, weight (pounds)	Sustainability site champion	Employee volunteer hours are recorded in our global HR system and office metrics collection sheets Estimated quantities or monetary equivalency calculated for in-kind donations when exact numbers are not available	
Office headcount and area	count, square feet	IHS Markit Workplace Resources and Human Resources departments		
Revenue	US\$	Investor Relations department and annual reports		

Assurance statement

We assure that all descriptions, assumptions and data uncertainties in this document are accurate and any exceptions to this assurance are disclosed.

Document management

Name	Data quality and assurance
Owner	Corporate sustainability
Applies To	ESG reporting
Approved By	Head of sustainability
Last reviewed	May 2019