

Equinix (UK) Limited

December 2022

Commitment to Achieving Net Zero

Equinix (UK) Limited (“Equinix”, “we” and “our”) is committed to achieving Net Zero emissions by 2040.

Carbon Emissions Footprint

Baseline Emissions

Our baseline emissions have been measured, and recorded, by third party Positive Planet in accordance with GHG Protocols for scope 1, 2 and 3, as required by the technical standard. The UK Carbon Reduction Plan (CRP) has been written in accordance with the UK Government “Technical standard for Completion of Carbon Reduction Plans as well as the ‘Template Carbon Reduction Plan’ published alongside Procurement Policy Note (PPN) 06/21.

In scope have been the Equinix International Business Exchange™ (IBX®) sites in the UK. The inventory includes all measurable Scope 1 & 2 emissions from data center operations and the following supply chain related Scope 3 emission from the following categories: Fuel & Energy Activities, Operational Waste, Business Travel and Employee Commuting.

Equinix (UK) Limited delivers its products directly to customers digitally and does not physically distribute products to customers downstream of the operational boundary. Therefore Scope 3 category 9 is measured at 0 tCo2e emissions. Upstream logistics is calculated but recorded in purchased goods and services (Scope 3). We are in the process of reclassifying these emissions in FY23.

Baseline & Current Emissions Reporting

Emissions of Equinix (UK) Limited for both our base year and current year can be found below, broken out by scope 1, 2 and 3.

Scope	Current Year 2021		Base Year* 2021	
	Location-based Emissions (mtCO ₂ e)	Market-based Emissions (mtCO ₂ e)	Location-based Emissions (mtCO ₂ e)	Market-based Emissions (mtCO ₂ e)
Scope 1	2902	2902	2902	2902
Scope 2	65445	0**	65445	0**
Scope 3**	2556	2556	2556	2556
Total Emissions	70903	5458	70903	5458

*Equinix (UK) Limited is starting to report over 2021 for the first time against its Net Zero target, therefore the 2021 base year is the same as the current year, progress will be reported in 2023.

**Between the measurement period of Jan 2021 – December 2021 Equinix (UK) Limited procured 100% renewable energy coverage at their UK data centers, therefore the Scope 2 market-based emissions for Current Year 2021 and Base Year 2021 are 0 mtCO₂e.

***Scope 3 includes the categories: Operational Waste, Business Travel, Employee Commuting and Fuel & Energy Activities.

Carbon Intensity per employee 149.3 mtCO₂e (location based) and 11.5 mtCO₂e (market based) over period 01/01/21 - 31/12/21 based on 475 employees.

Emissions Reduction Targets

Equinix Global

Equinix as a global company is committed to addressing the urgency of global climate change within its operations, its value chain and the broader industry. We invite you to visit our [Future First Sustainability Strategy](#), our [Climate Commitments](#) our [2021 Report Highlights](#) as well as our [annual response to CDP](#) with a Climate A score in 2022.

While our renewable energy is notable – Equinix (UK) Limited is currently already 100% renewable – we're also committed to addressing our [Scope 3 supply chain emissions through supplier engagement](#) and green building design.

Equinix (UK) Limited UK

The Equinix (UK) Limited organization is taking the next step and committing to a Net Zero target by 2040. Our ambitious climate targets will demonstrate our leadership to our stakeholders – our investors, our customers, regulators, our communities and our employees. Near-term targets for the UK organization towards 2030 are:

- Scope 1 & Scope 2 - Equinix (UK) Limited will reduce its absolute Scope 1 and 2 GHG emissions by 50% by 2030
- Scope 2 - Equinix (UK) Limited will remain to operate against 100% renewable energy and will therefore remain to operate against 0 emissions according the market based approach of the GHG Protocol.
- Scope 3 - Equinix (UK) Limited will reduce absolute Scope 3 GHG emissions from fuel-and-energy-related activities by 50% by 2030.

Carbon Reduction Projects

Equinix (UK) Limited is in the process of improving the reporting of sustainability projects to measure and quantify the impacts consistently. We are working to produce a report with increased visibility and consistency as of next year. The following projects are significantly contributing to the reduction of scope 1, 2 and 3 emissions and will keep us on track with our initial reduction targets towards 2030. Measures will be in effect when performing the contract.

Completed and Current Carbon Reduction Initiatives

The following environmental management measures and initiatives have recently been, or are soon to be, implemented.

Scope 1

- As of 2021, all new Data Center sites in the UK will no longer use natural gas for heating purposes which relatively will reduce scope 1 emissions.
- Equinix (UK) Limited is currently piloting to transition from diesel fuel to Hydrotreated Vegetable Oil (HVO) for our back-up generators to drive down direct emissions from our operations. Following the pilots, we intend to implement the use of HVO and phase out the use of diesel fuel for the back-up generators at our facilities.
- Equinix (UK) Limited is also trialling low GWP refrigerants and reviewing leakage protocols to drive down emissions from cooling substances and refrigerant gasses. Following the trial period, we will be planning a phase out period for existing equipment using higher GWP gasses, which will drive down direct emissions from operations.
- Equinix (UK) Limited will benefit from a larger project to develop low-carbon fuel cells to power data centres. The EcoEdge PrimePower (E2P2) project is a novel proof-of-concept initiative aiming to develop and demonstrate low environmental impact fuel cells

that provide economic and resilient prime power solutions for the data centre environment. The E2P2 project is part of the company's effort to prioritize and support the development of clean, sustainable and renewable power solutions for application across the data centre industry, while also targeting its own ambitious climate goals.

Scope 2

- All Equinix (UK) Limited data centers are covered by 100% renewable energy. Our renewable power comes from a variety of projects and products that are certified to meet rigorous reporting and retirement standards. In alignment with our principles, we continually review our portfolio to increase the quality, locality and additionality of our renewable energy purchases.
- Equinix (UK) Limited is continuously developing best practice operations and operating as efficiently as possible. Through innovations and operational excellence, Equinix (UK) Limited has a demonstrated track record of year-on-year improved PUE (Power Usage Efficiency ratio), which is driving down our power usage and therefore our scope 2 emissions due to electricity usage. Concrete examples of current projects are:
 - Lighting & Controls - Upgrading current lighting system from fluorescent to LED technology
 - Optimization of Air Containment Systems – Installation, replacement, or removal of floor grills, cold isle panels and cables to optimize air flow.
 - Building Automation & Control Systems - Optimisation of the chilled water supply temperature and controls that manage air conditioning units in the data hall.
 - High Efficiency HVAC – Replacing and updating end of life or less efficient air conditioning units and parts.
- Equinix (UK) Limited is benefiting from investments in Green Buildings, Renewable Energy and Energy Efficiency. In 2022, Equinix Inc. issued its second Green Bond Allocation and Impact Report allocating \$3.7B in net proceeds (out of \$4.9B in green debt) to the project categories of: Green Buildings, Renewable Energy and Energy Efficiency. These investments will drive our performance to reduce emissions and meet our net zero target by 2040 in the UK.

Scope 3

- Reducing FERA (Fuel and Energy Related Activities) with 50% by 2030 by limiting the amount of purchased fuels (as described in reduction targets and plans for scope 1 also reduces the associated upstream emissions).
- Reducing our transmission and distribution losses of purchased electricity through the evaluation and migration of the distribution network that we connect to – increasing the proportion of our portfolio with high voltage connections with lower distribution distances to reduce transmission and distribution losses.

Carbon Reduction Plans

In addition to the current initiatives, we plan to implement further measures which will continue to drive down emissions. We are considering several initiatives and those listed below are some examples of areas we are discussing and the potential impact they may have to our emissions.

Scope 1

- Increase re-use of waste heat to warm own buildings and explore possibilities to export waste heat for re-use in the neighbourhoods we operate. Further explore options to move away from natural gas energy sources and utilise electricity for heating across the (existing) UK sites.
- Continue current projects and increase innovations to drive down direct emissions from the use of diesel and natural gas in our operations (i.e. HVO and fugitive refrigerant gas and air-conditioning substance).
- Reduce water consumption, especially in water stressed areas, and optimize balance between adiabatic cooling versus dry cooling to increase energy efficiency.

Scope 2

- Starting in 2022, we are holding our broader leadership team financially accountable for achieving both our environmental and our diversity objectives by implementing a modifier to short-term incentives for VP-level employees and above, including executive officers.
- Evaluating operational best practices and increase additional PPAs in new markets, including UK, to support development of renewable energy in the local markets.
- Explore options for self-generation of electricity on site. This reduces transmission and distribution from the national grid and will reduce electricity consumption from the grid.

Scope 3

- Equinix Limited UK will identify a roadmap to zero waste and assess opportunities to reduce, re-use, and recycle waste, driving down the volume of waste streams (disposal, hazardous and e-waste).
- Equinix Limited UK is committed to increase EV chargers up to 20% of our parking spaces with the intend to increase chargers according to the needs to stimulate the transition from ICE (Internal Combustion Engine) cars to EVs.

Considering the plans and initiatives that have already been implemented, those that are ongoing, and those currently being discussed and considered, we expect to remain on track to achieve Net Zero by 2040.

Declaration And Sign Off

This Carbon Reduction Plan has been completed, with the help of Positive Planet, in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions for the financial year ending 31-12-2021 have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and 2 emissions have been reported in accordance with UK SECR (Streamlined Energy and Carbon Reporting) requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed, adopted and signed off by the UK Leadership Team. The UK Leadership Team will monitor and annually review and report publicly progress against its UK Net Zero commitment.

Signed on behalf of Equinix.

Name: Russel Poole, Managing Director Equinix (UK) Limited

Signed: 

Date: December 21, 2022

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>