Response Required: Data Appendix

The following tables show all of the data on which the findings in Response Required rely.

After the tables we present some ‘near miss’ commitments we didn’t count as well as the data for carbon negative and advocacy findings.

Our definitions

**Carbon neutrality** is achieved when the greenhouse gas (GHG) emissions associated with an entity, product or activity are reduced and offset to zero for a defined duration. For this research, we defined carbon neutrality as those companies that self-identified as ‘carbon neutral’, ‘climate neutral’, ‘offset 100%’ or ‘greenhouse gas neutral’ across either: All GHG Scopes (1, 2 and 3), all Scope 1 and Scope 2 emissions; ‘company’; or ‘operations’.

Data was taken from desk-based research conducted in August 2020 into Fortune Global 500 companies. Data was mostly taken from English language sustainability reports and webpages. For the approx. 50 companies publishing sustainability information in languages other than English, it is possible that commitments may have been under reported.

**RE100** targets are for companies to supply 100% renewable power. RE100 is a corporate leadership initiative led by The Climate Group and CDP, launched in September 2014. Data taken from RE100, 2019, *RE100 Progress and Insights Annual Report, 2019: Annex: RE100 commitments and achievements*, link, with updates provided by RE100 on 3rd September 2020.

**Science-Based Targets** are from The Science-Based Target Initiative (SBTi), an initiative set up by the UN Global Compact, World Resources Institute (WRI), CDP and WWF to establish a robust, measurable approach for companies to establish reduction targets in line with the need to keep global temperature rise to below 2 or 1.5 degrees Celsius. If we don’t specify otherwise, we included all ‘Target Qualifications’ (1.5C, Well-below 2C, 2C) and ‘Statuses’ (both ‘Targets Set’ and ‘Committed’ to set a target). Data taken from Science-Based Target Initiative, 2020, *Current Companies Taking Action*, link, accessed on 11th August 2020.

**Net zero** definitions still vary. The Paris Agreement sets a target of net zero by 2050, defined as a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases across the entire global economy. For this research, we defined net zero as those companies that self-identified as “net zero”, “zero net” or “zero”. Data was taken from desk-based research conducted in August 2020 into Fortune Global 500 companies.

If you have any questions or would like to make us aware of announcements made subsequently to our research, please email marketing@naturalcapitalpartners.com
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**Carbon neutral**
- **Company (Q) or Product (P) or unspecified (U)**
- **The scope of their commitment in their works**
- **From**
- **Announced**
- **Source**

**RE100**
- **RE100 goal**
- **From**
- **Announced**

**SBT**
- **Target set (T) or committed (C)**
- **From**
- **Announced**

**Net zero**
- **Company (Q) or Product (P) or unspecified (U)**
- **The scope of their commitment in their works**
- **From**
- **Announced**
- **Source**
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| Source | From | Announced | | Target set (T) or committed (C) | From | Announced | | Company (C) or Product (P) or unspecified (U) | The scope of their commitment in their works | | Company (C) or Product (P) or unspecified (U) | The scope of their commitment in their works | | Company (C) or Product (P) or unspecified (U) | The scope of their commitment in their works |
|---------|------|-----------|-----------------------------|------------------------------------------|------|-----------|---------------------------------------------|------------------------------------------------|-----------------------------|------------------------------------------------|-----------------------------|------------------------------------------------|
| Link    | 2050 | 2020      | T                           | 2030                                     | 2018 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2018      | T                           | 2030                                     | 2019 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2019 | 2019      | T                           | 2030                                     | 2020 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2023 | 2008      | T                           | 2016                                     | 2016 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2010 | 2010      | T                           | 2025                                     | 2020 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2010 | 2010      | T                           | 2025                                     | 2020 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2010 | 2010      | T                           | 2025                                     | 2020 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2040 | 2019      | T                           | 2028                                     | 2018 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2018 | 2018      | T                           | 2030                                     | 2019 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2015      | T                           | 2028                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2019      | T                           | 2030                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2016 | 2016      | T                           | 2030                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2019      | T                           | 2030                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2019      | T                           | 2030                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |
| Yes     | 2020 | 2019      | T                           | 2030                                     | 2015 |           |                                             |                                                              |                                             |                                             |                                             |                                             |

Note: The table provides information on the carbon neutrality and emission reduction goals of various companies as of different years. The table includes columns for company name, rank in Fortune Global 500, headquarters, carbon neutral status, scopes of commitment, and goals for RE100, SBT, and net zero.
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| Hewlett Packard
Enterprise | 431                         | USA          | C+P vehicle use, suppliers and factories | 2050  | 2017 | Link     |
<p>| Hitachi                | 106                         | Japan        | C+P vehicle use, suppliers and factories | 2050  | 2017 | Link     |
| HP                     | 184                         | USA          | C+P vehicle use, suppliers and factories | 2050  | 2017 | Link     |
| HSBC Holdings          | 73                          | UK           | C+P vehicle use, suppliers and factories | 2050  | 2017 | Link     |</p>
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<th>Company</th>
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Natural Capital Partners © 2020, Response Required: Data Appendix
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* 2020 targets that have already been achieved.

**Tricky cases**

BASF – carbon neutral growth was not counted. Link.

Proctor & Gamble – “Will Make Operations Carbon Neutral for the Decade” starting in 2020 but refers to it actions in the future tense and so hasn’t been counted as carbon neutral this year, instead they have been counted as carbon neutral in 2030. Link.

Continental – CO2 neutral "in all of its production processes" [2040]... "Reduction of total CO2 emissions from value chain (Scope 1, 2, 3) by 2050". Counted the 2040 commitment. Link.
Carbon negative Definitions still vary. For this research, we defined carbon negative as those companies that self-identified as “carbon negative”, “climate positive” or “net positive”. Data was taken from desk-based research conducted in August 2020 into Fortune Global 500 companies.

Companies with “carbon negative” “climate positive” or “net positive” targets:

- Microsoft “carbon negative” by 2030, [link](#)
- Sumitomo Electric Industries, “negative emissions” by 2050 [link](#)
- Telefónica, “net positive... Avoid 10 tons of CO2 in customers for each one issued” by 2025 [link](#)
- Toyota Motor “net positive” by 2050, [link](#)
- Unilever “carbon positive” by 2030, [link](#)

Carbon negative near misses

- Alphabet “net positive impact of our products” [link](#)
- Danone “carbon positive programs” [link](#)
- Veolia Environnement “carbon positive” in the UK, [link](#), but not the group as a whole [link](#)

Advocacy statistics came from InfluenceMap is a London-based NGO which ranks the lobbying activities of 250 big companies. It introduced the concept of a corporation's Carbon Policy Footprint and Scope 4 emissions. Its Score has become a mainstream investor tool in assessing and engaging with companies, including the Climate Action 100+ process, and has been cited in over 1,000 media articles globally. Data taken from InfluenceMap, 2019, [Carbon Policy Footprint](#), accessed August 2020.

Companies with a positive score: Amazon.com, Apple, Danone, Deutsche Telekom, E.ON, Electricité de France, Enel, GlaxoSmithKline, Iberdrola, Nestlé, Unilever

If you have any questions or would like to make us aware of announcements made subsequently to our research, please email [marketing@naturalcapitalpartners.com](mailto:marketing@naturalcapitalpartners.com)

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