



Appendix

PartnerRe 2021 Environmental, Social, Governance Report

Appendix

In 2021, PartnerRe continues its effort to measure, analyze and report its Greenhouse Gas ("GHG") emissions regarding scope 1, 2 and 3 aligned with internationally recognized methodologies (e.g., GHG Protocol Corporate Standard), as supported by the recommendations to the Taskforce on Climate-related Financial Disclosures.

PartnerRe applied the following GHG Emissions scope:

- **Scope 1** (Direct GHG emissions) refers to direct GHG emissions from sources that are owned by PartnerRe.
- **Scope 2** (Electricity indirect GHG emissions) refers to indirect GHG emissions from consumption of purchased electricity at each of PartnerRe's major offices (higher than 50 seats) and applying the conversion factors listed in Appendix A.
- **Scope 3** (Other indirect GHG emissions not covered by Scope 2) refers to airfare, rail tickets and hotel nights booked for business travel only.

For reporting year 2021 (January 1, 2021 to December 31, 2021) for PartnerRe Ltd.'s operational emissions:

Emissions by Scope (tCO ₂ e)	2021
Scope 1	0
Scope 2 ¹	279
Scope 3 ²	175

2021 energy consumption was impacted by the COVID-19 pandemic, which resulted in a reduction in office attendance.

Office	Conversion factor (T CO ₂ e / MWh)	Source
Dublin	0.44647	European Residual Mixes Results of the calculation of Residual Mixes for the calendar year 2020 (Table 2)
Paris	0.05852	European Residual Mixes Results of the calculation of Residual Mixes for the calendar year 2020 (Table 2)
Singapore	0.408	Singapore Energy Market Authority
Bermuda	0.2	Our World in Data
Stamford	0.2418	US EPA 2020 eGrid Summary Tables
Toronto	0.04	Canada's Renewable Power Landscape 2017 – Energy Market Analysis (Figure 4)
Minneapolis	0.4475	US EPA 2020 eGrid Summary Tables
Zurich	0.03034	European Residual Mixes Results of the calculation of Residual Mixes for the calendar year 2020 (Table 2)

¹ The conversion of purchased electricity into CO₂e is based on the following formula:

$$\text{GHG emissions (tCO}_2\text{e)} = \text{Purchased electricity (MWh)} \times \text{Conversion factor } \left(\frac{\text{tCO}_2\text{e}}{\text{MWh}} \right)$$

² Calculations were performed by Egencia, PartnerRe's travel booking website, using their carbon emissions calculation module (<https://terrapass.com/egencia>).

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