

Appendix D: Energy and GHG Emissions Data¹

Energy	Unit	2019	2020	2021
Performance indicator				
Building heating (heating oil, natural gas)	MWh	531	606	498
Communications sites' generators (diesel, propane)	MWh	2,629,508	2,451,968	2,452,498
Vehicles (diesel, gasoline)	MWh	23,205	22,084	25,786
Total scope 1 energy	MWh	2,653,244	2,474,658	2,478,782
Operations electricity ²	MWh	872,416	847,418	804,208
Office electricity	MWh	14,523	11,494	11,580
Renewable energy ³	MWh	64,097	77,465	97,560
Total scope 2 energy	MWh	951,036	936,377	913,348
Total scope 1 and 2 energy	MWh	3,604,280	3,411,035	3,392,130

GHG Emissions (Scope 1, Scope 2, Scope 3)	Unit	2019	2020	2021
Performance indicator				
Building heating (heating oil, natural gas)	MTCO ₂ e	116	123	100
Communications sites' generators (diesel, propane)	MTCO ₂ e	665,255	620,313	620,452
Vehicles (diesel, gasoline)	MTCO ₂ e	5,849	5,557	6,490
Refrigerants ⁴	MTCO ₂ e	9,115	9,115	9,115
Total scope 1 emissions	MTCO₂e	680,335	635,108	636,157
Operations electricity ²	MTCO ₂ e	551,734	512,270	490,166
Office electricity	MTCO ₂ e	6,834	4,941	4,594
Total scope 2 emissions (location-based method)	MTCO₂e	558,568	517,211	494,760
Total scope 2 emissions (market-based method)	MTCO₂e	520,653	507,304	486,410
Total scope 1 and 2 (market-based) emissions	MTCO₂e	1,200,988	1,142,412	1,122,567
Total scope 3 emissions⁵	MTCO₂e	3,983,542	3,857,549	3,647,198

1. For more detail regarding American Tower's energy and GHG emissions boundaries and calculation methodologies, see footnotes included within Environment, starting on page 47.

2. Operations electricity includes electricity used by Company equipment at communications sites, data centers and by our fiber business segment.

3. Renewable energy is consumed throughout American Tower operations, including communications sites and offices. For details regarding on-site renewable energy generation and our PPA, see Environment, starting on page 47.

4. Fugitive emissions figures are based on estimates provided by operations personnel in the markets for 2021. Due to lack of data availability, 2021 fugitive emissions estimates were used for 2019 and 2020. We continue to make efforts to improve data collection regarding fugitive emissions.

5. The 2019 and 2020 GHG emissions figures for scope 3 have been restated to correct the error in boundary of operational control that was identified after the publication of the 2020 Sustainability Report. Energy and the associated GHG emissions, consumed by tenant equipment is included in our scope 3, category 13 downstream leased assets GHG emissions figures in accordance with GHG Protocol. Electricity consumed by American Tower equipment at communications sites, including but not limited to site lighting, air conditioning and security, is included in the Company's scope 2 footprint.